

NEW WEB  
APPLICATION

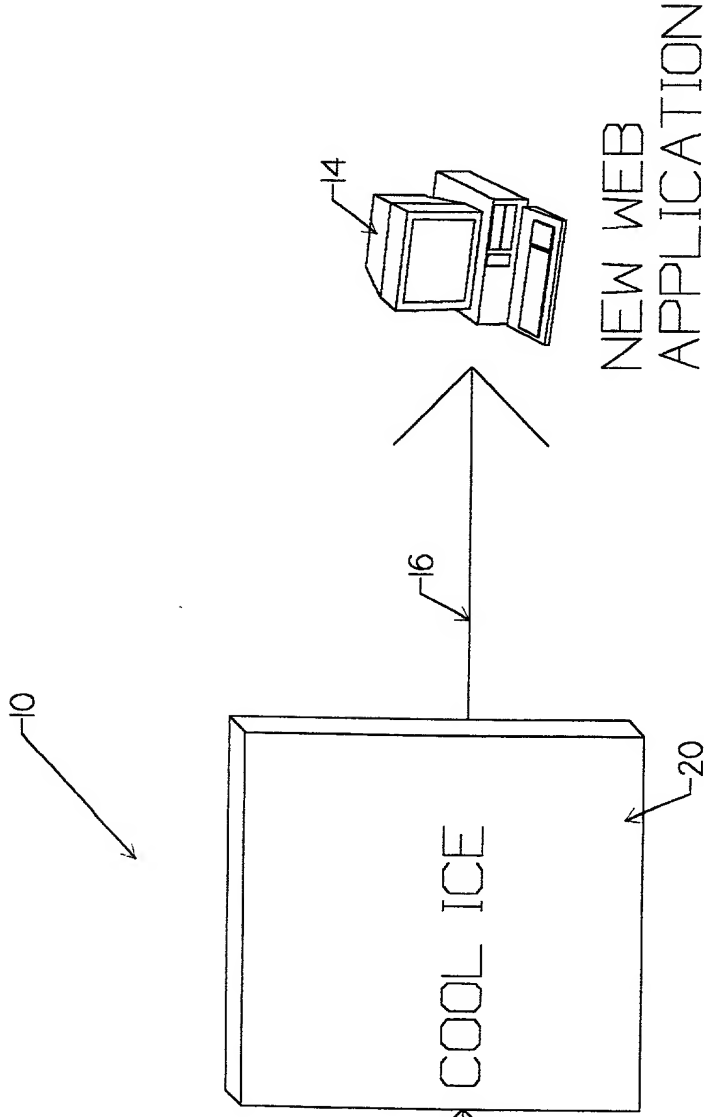


FIG. 1

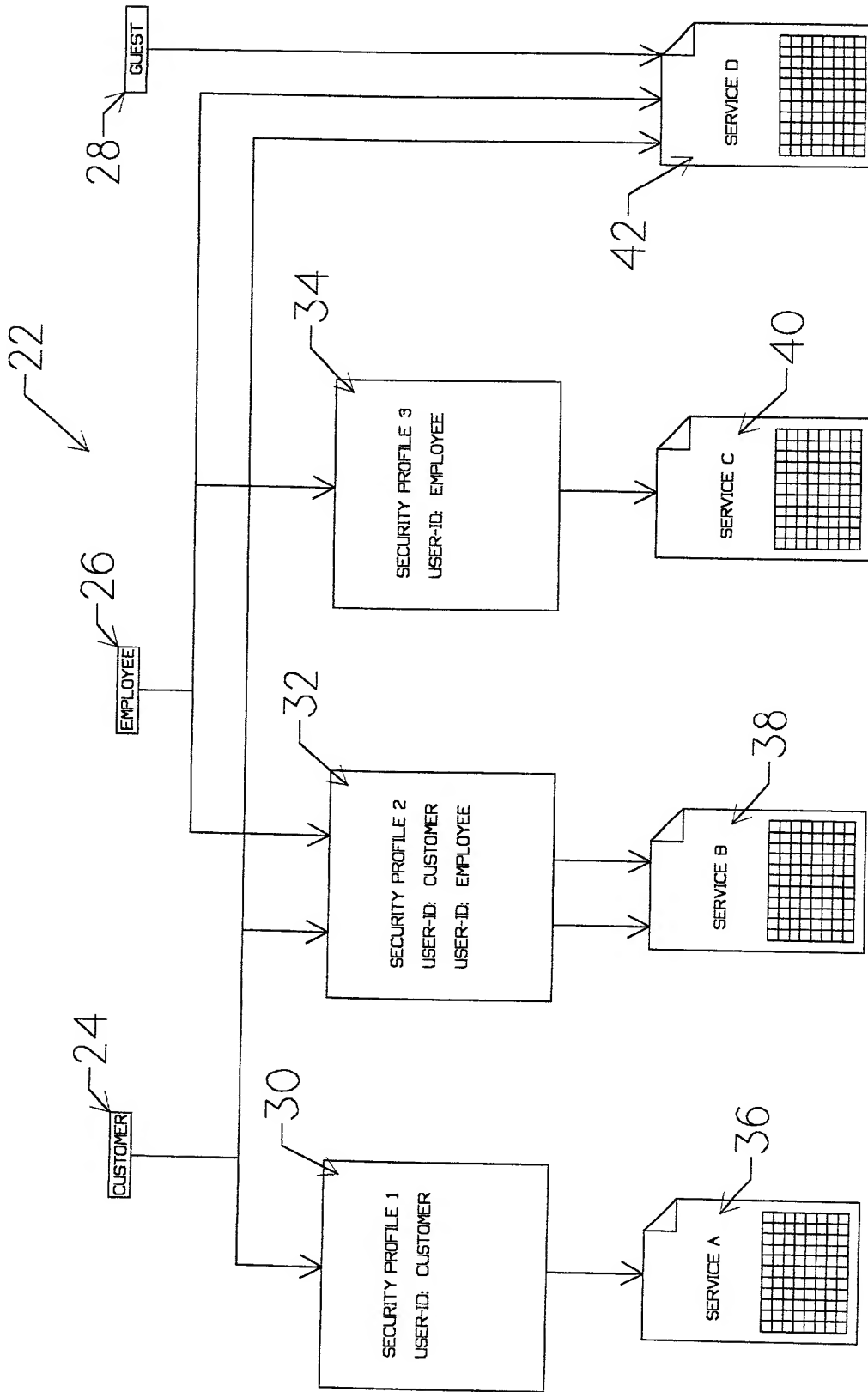


FIG. 2

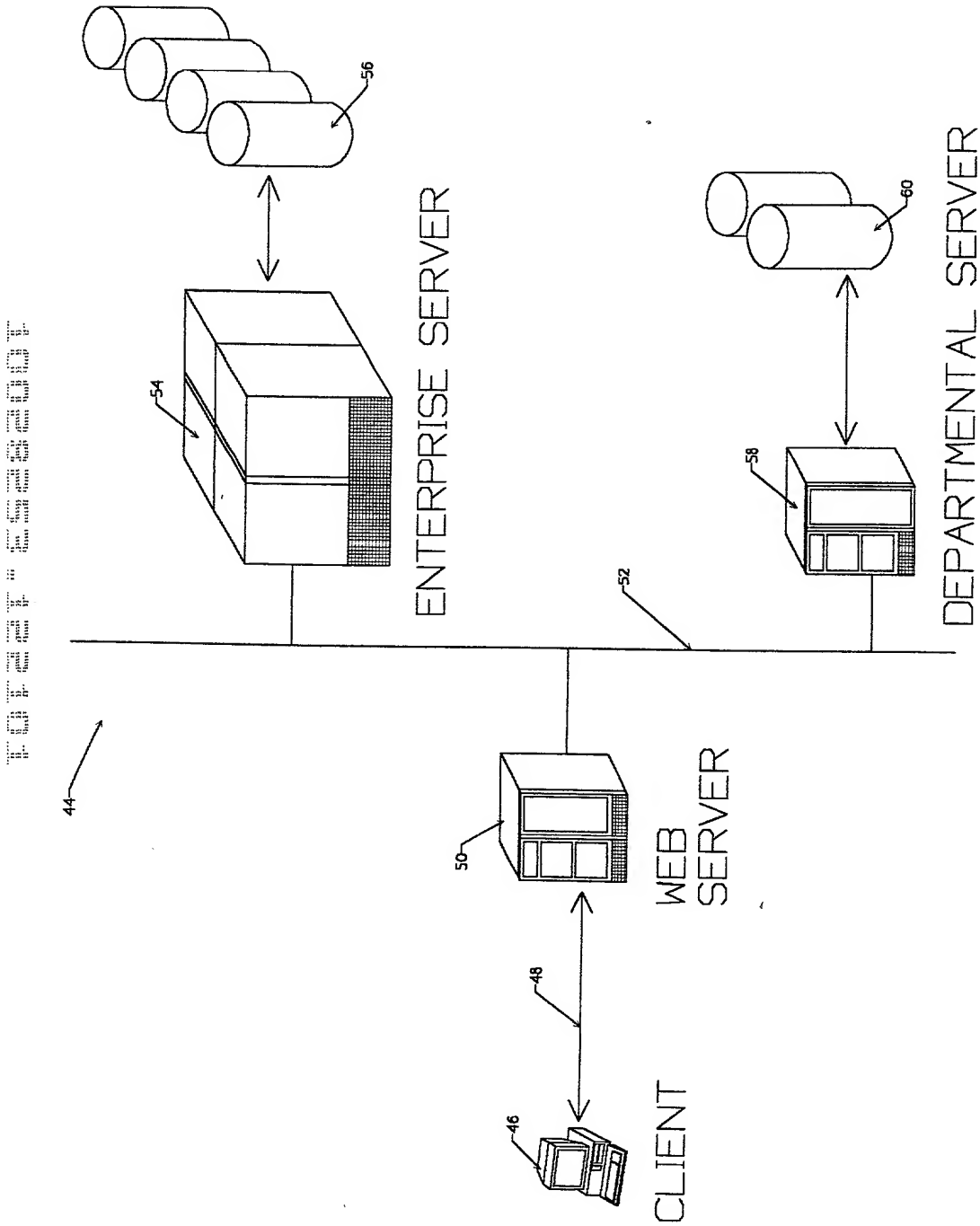


FIG. 3

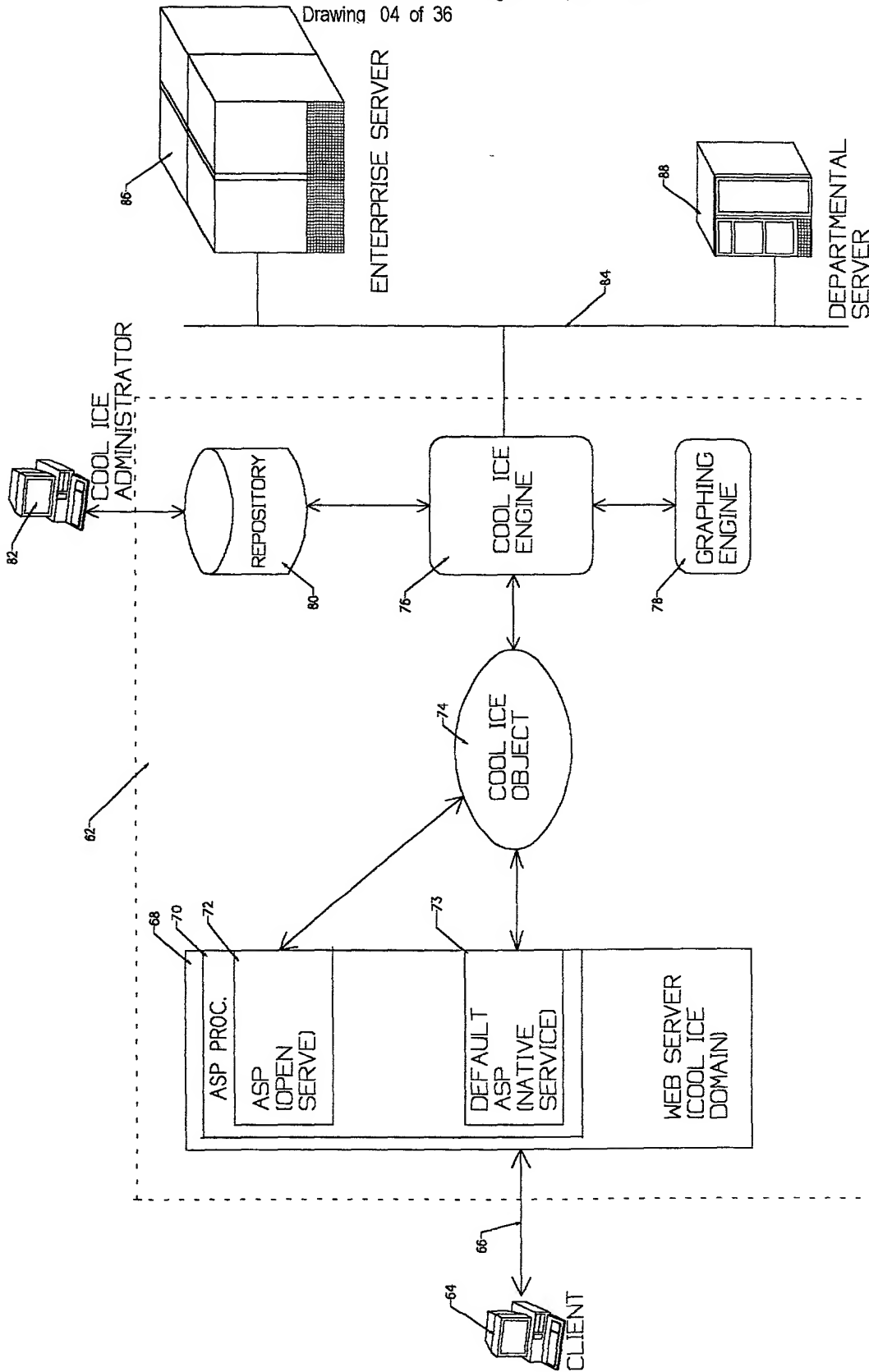


FIG. 4

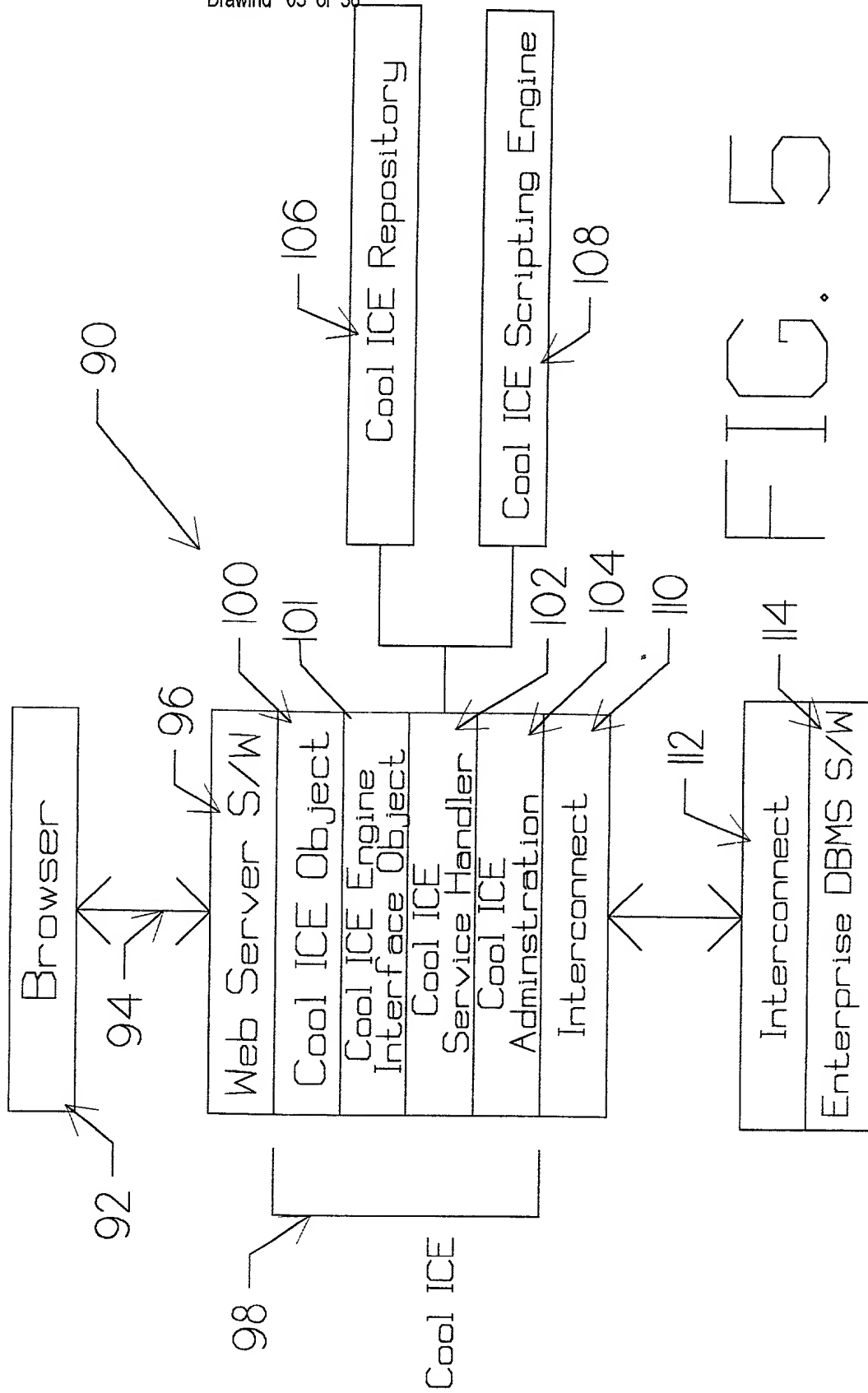


FIG. 5

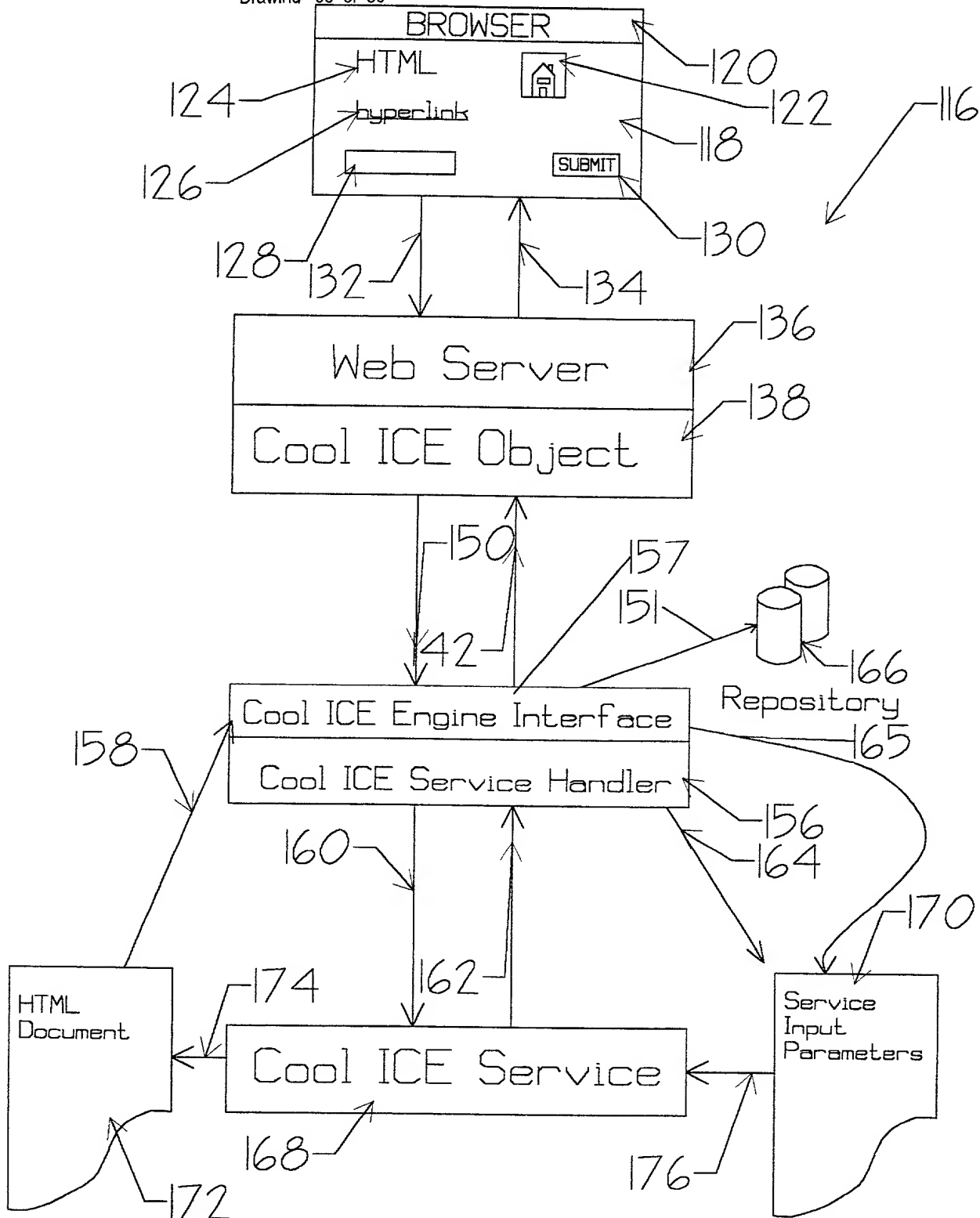


FIG. 6

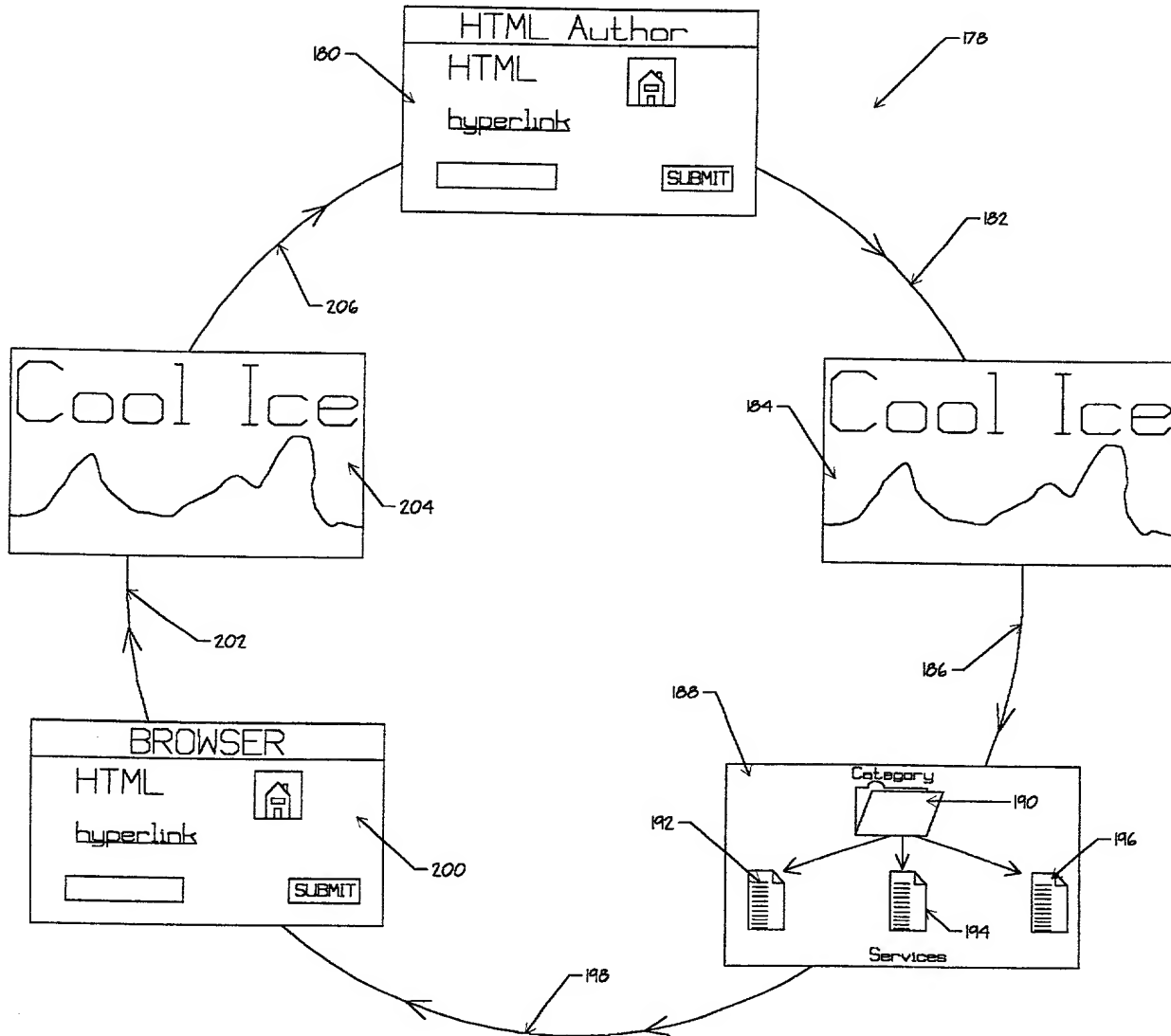


FIG. 7

FIG. 8

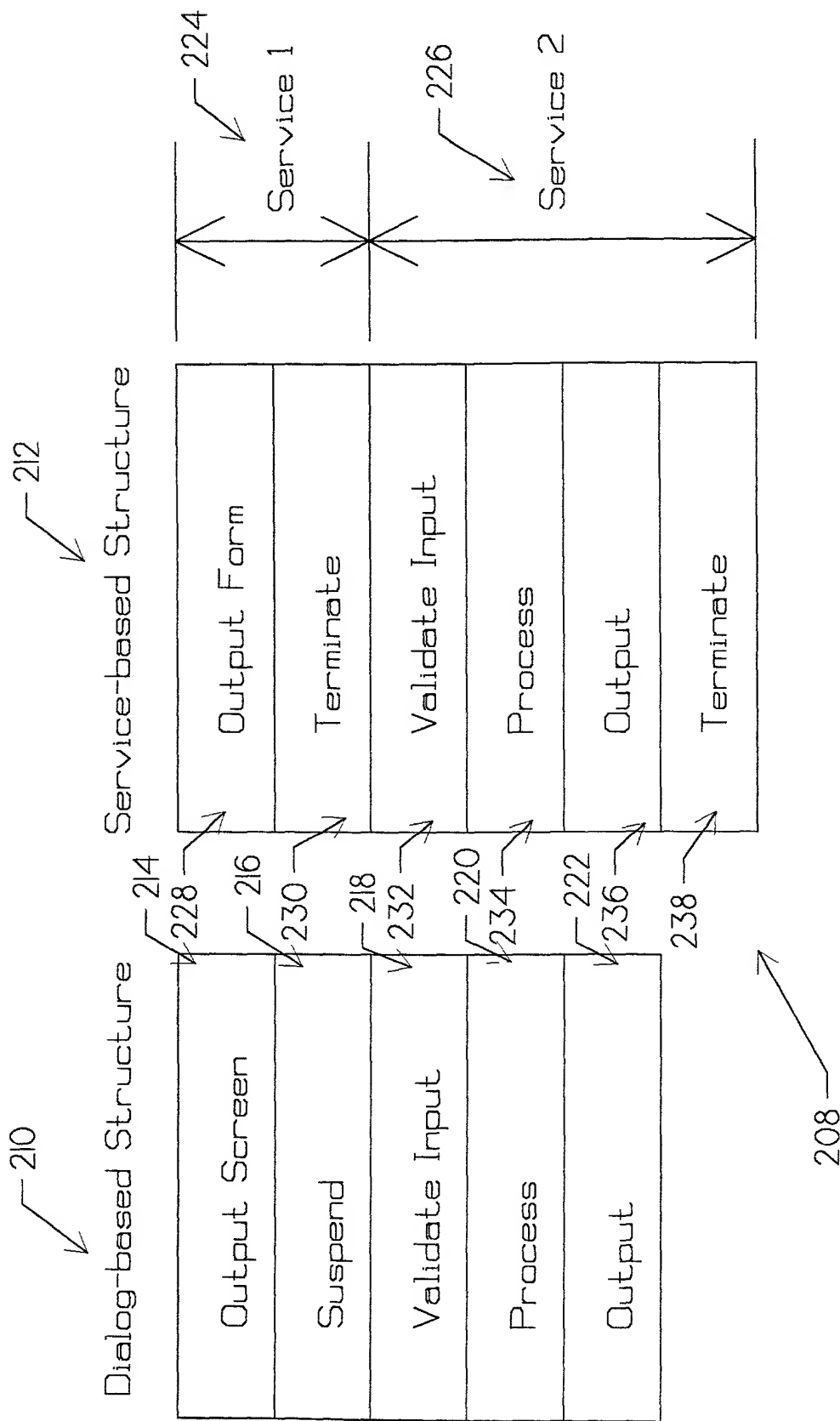


FIG. 8



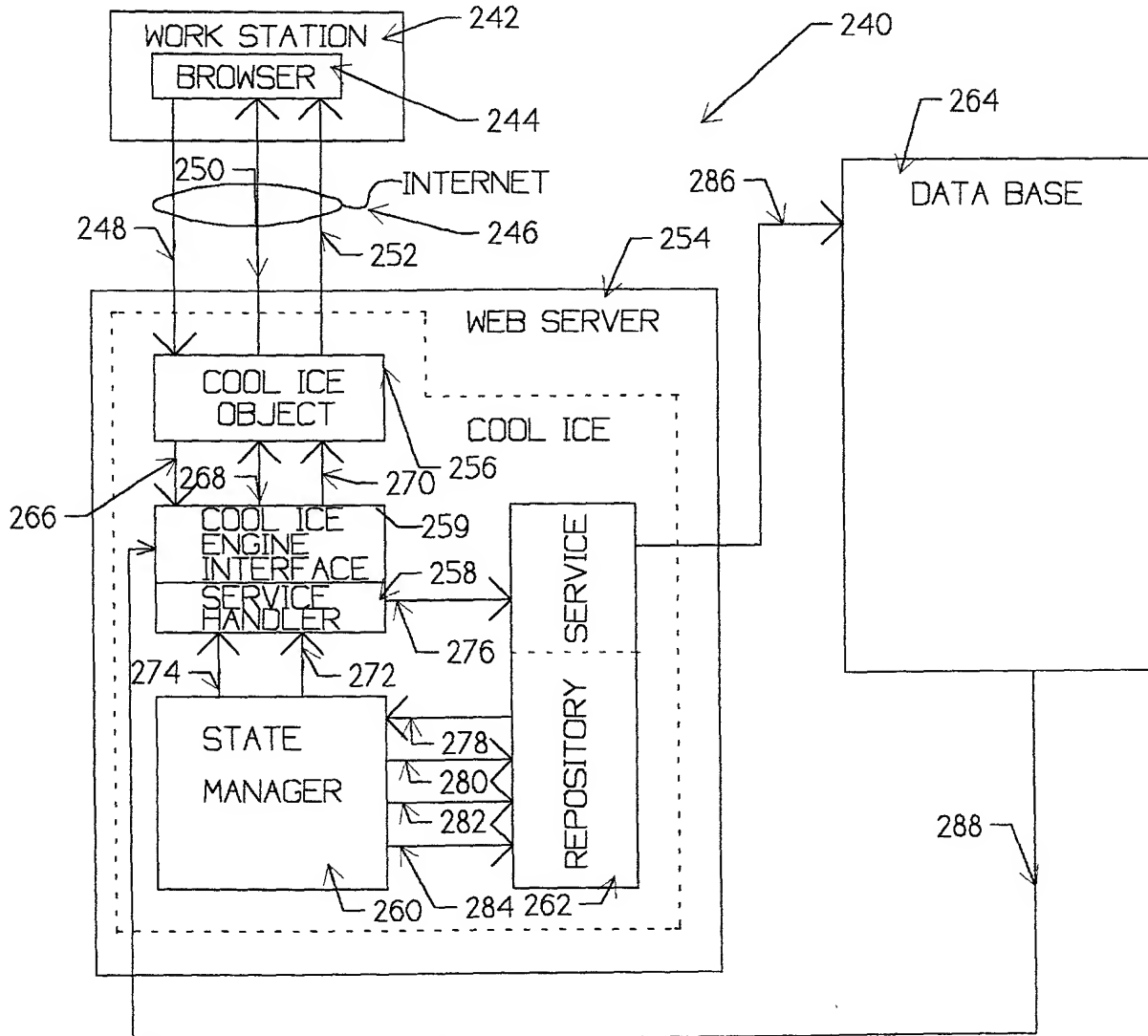


FIG. 9

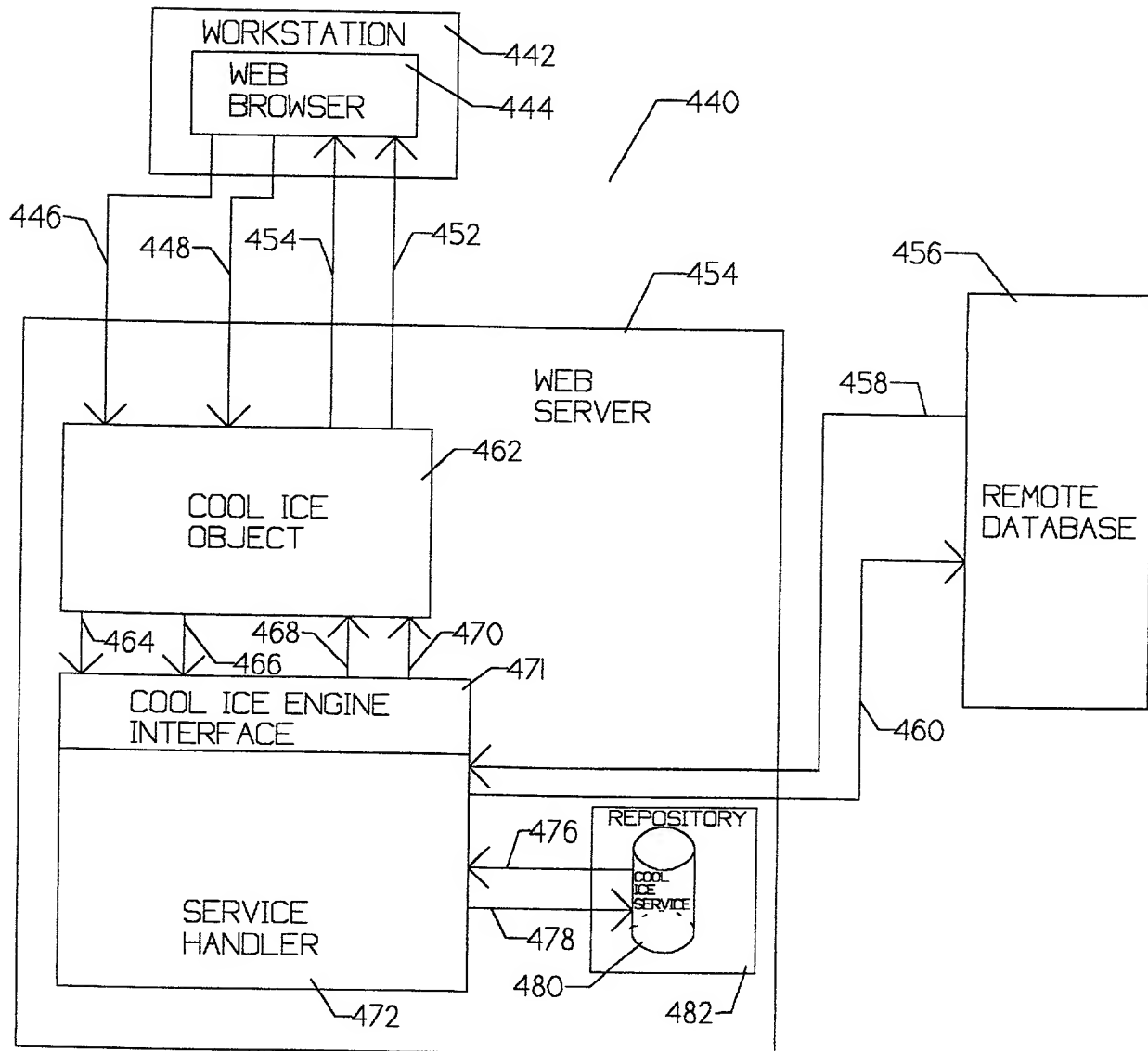


FIG. 10

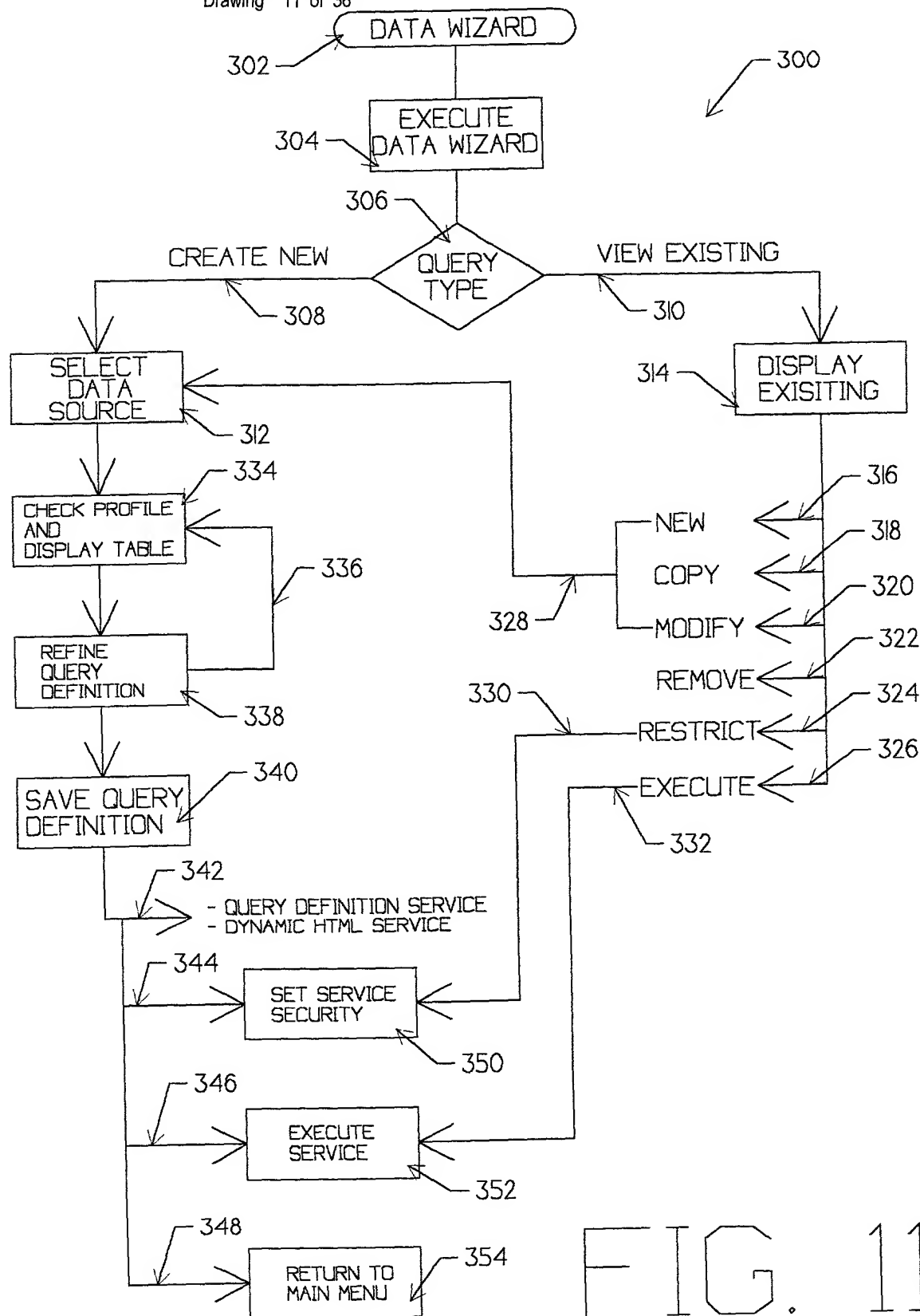


FIG. 11

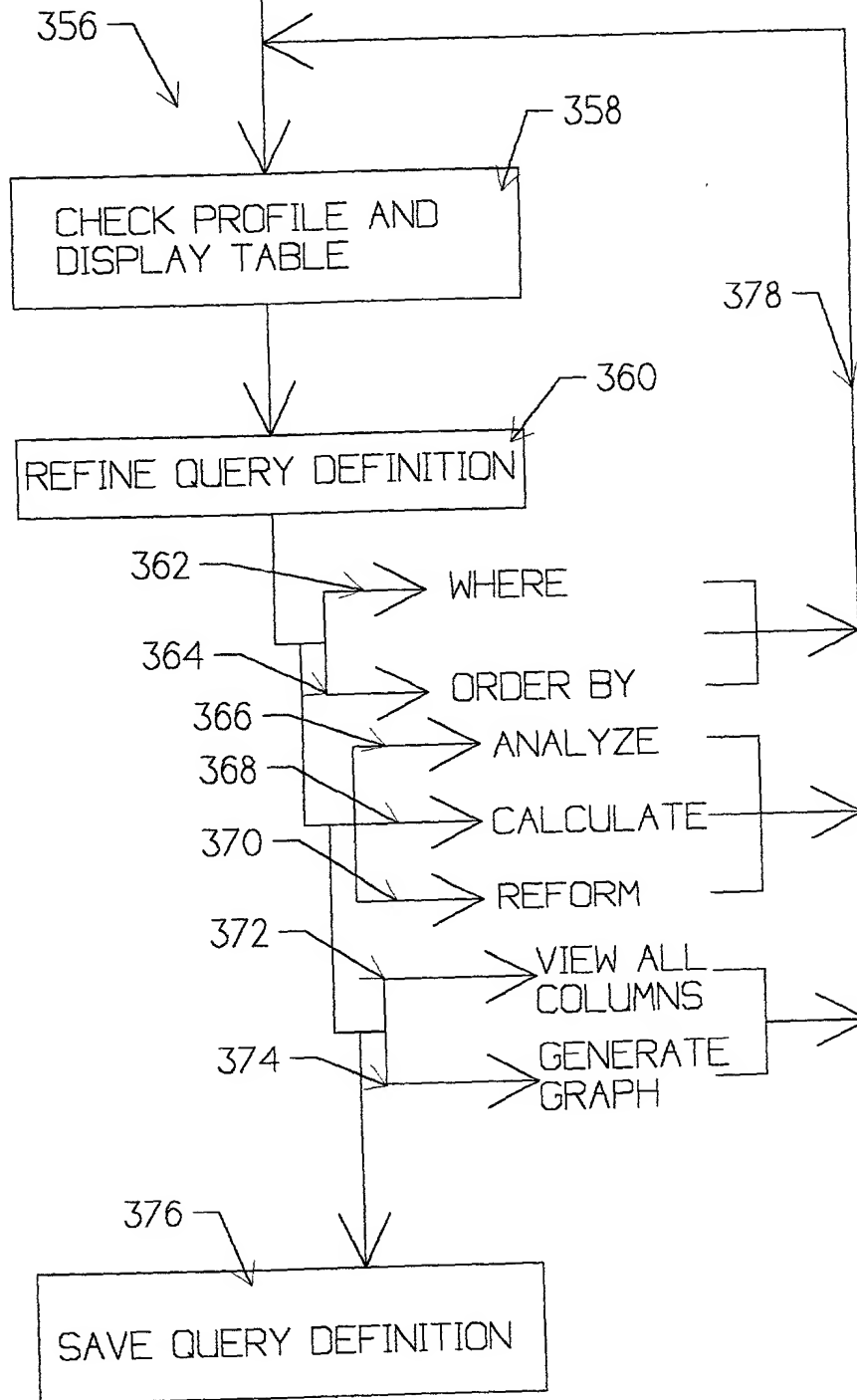


FIG. 12

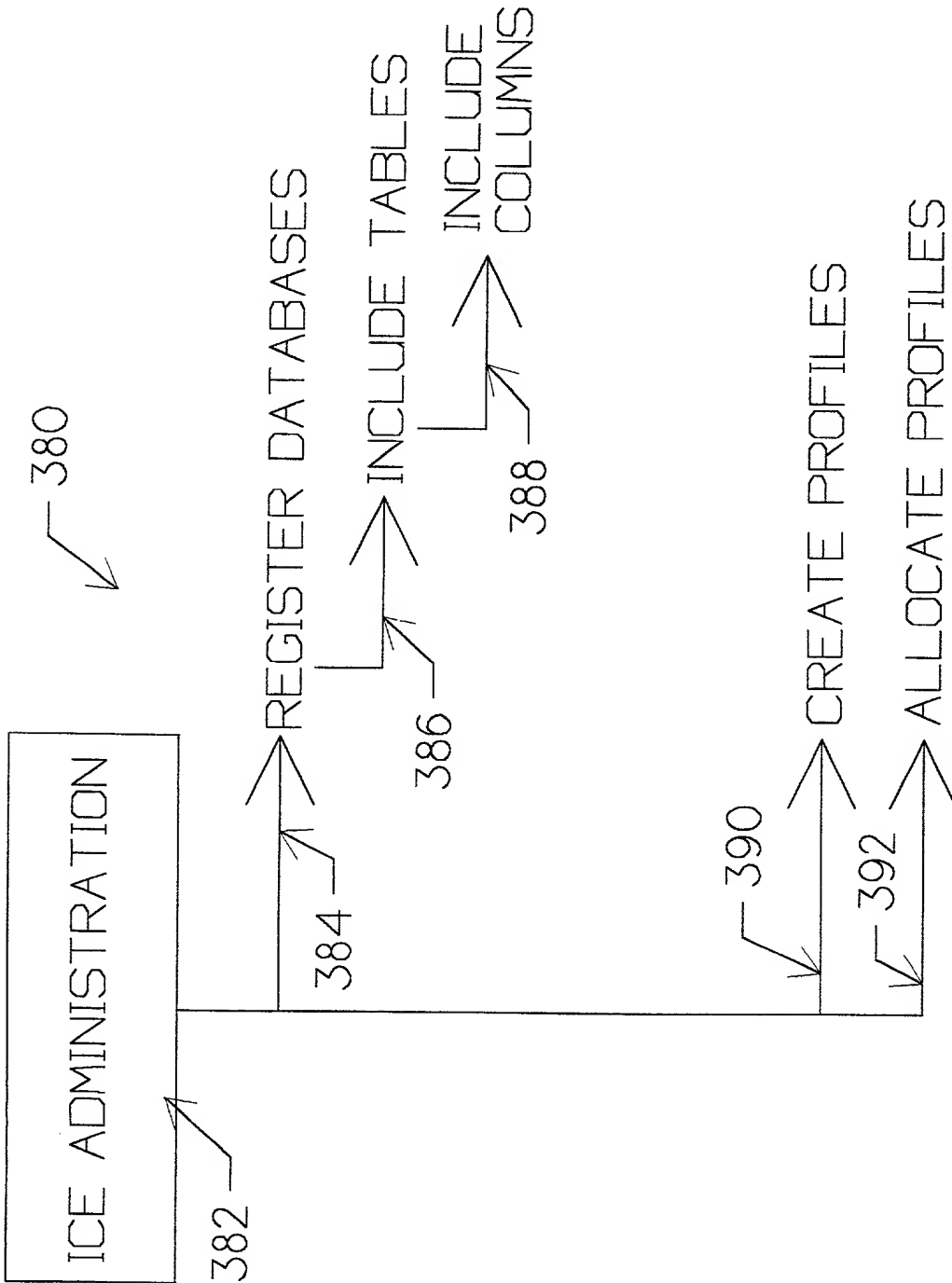


FIG. 13

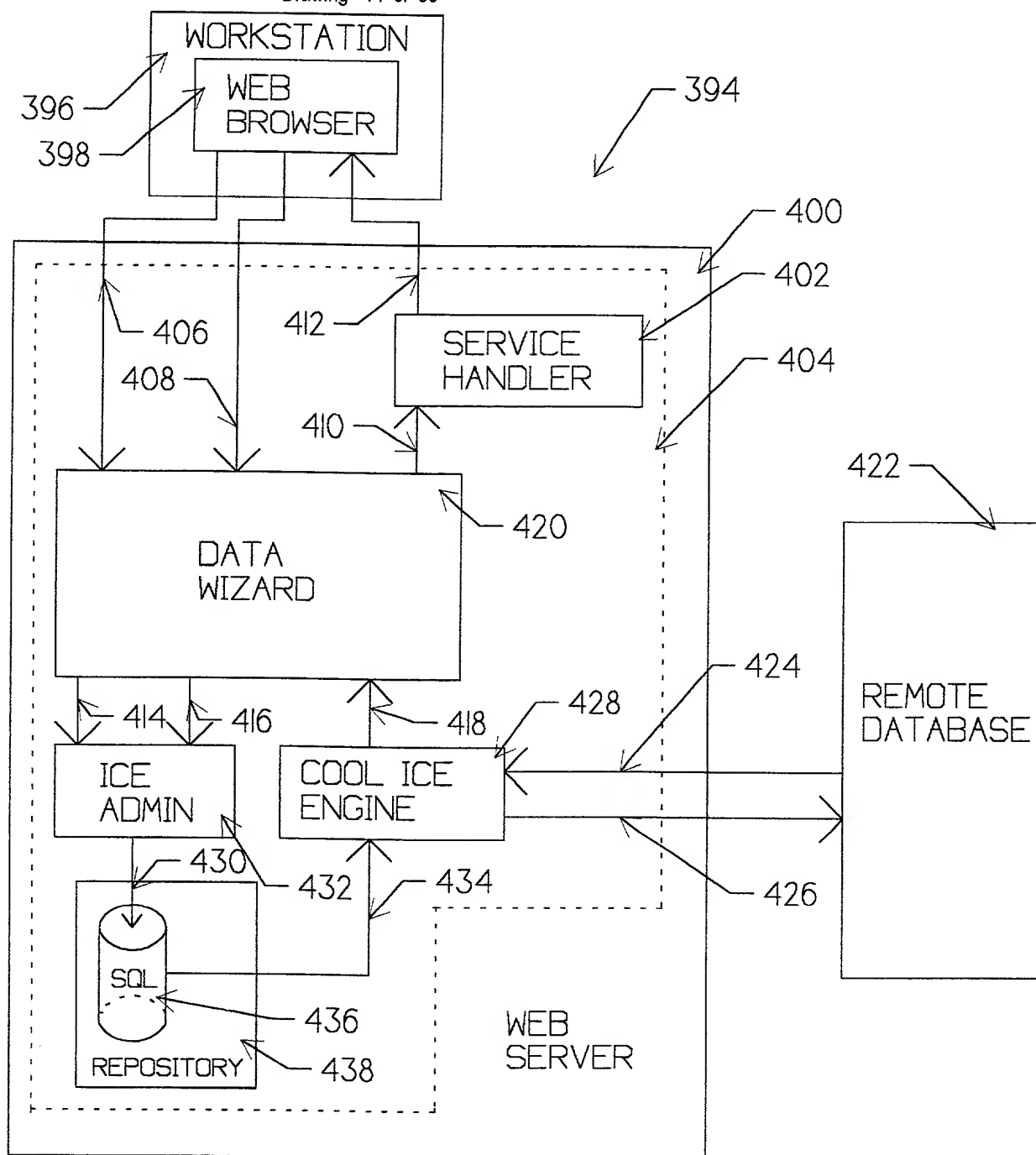


FIG. 14

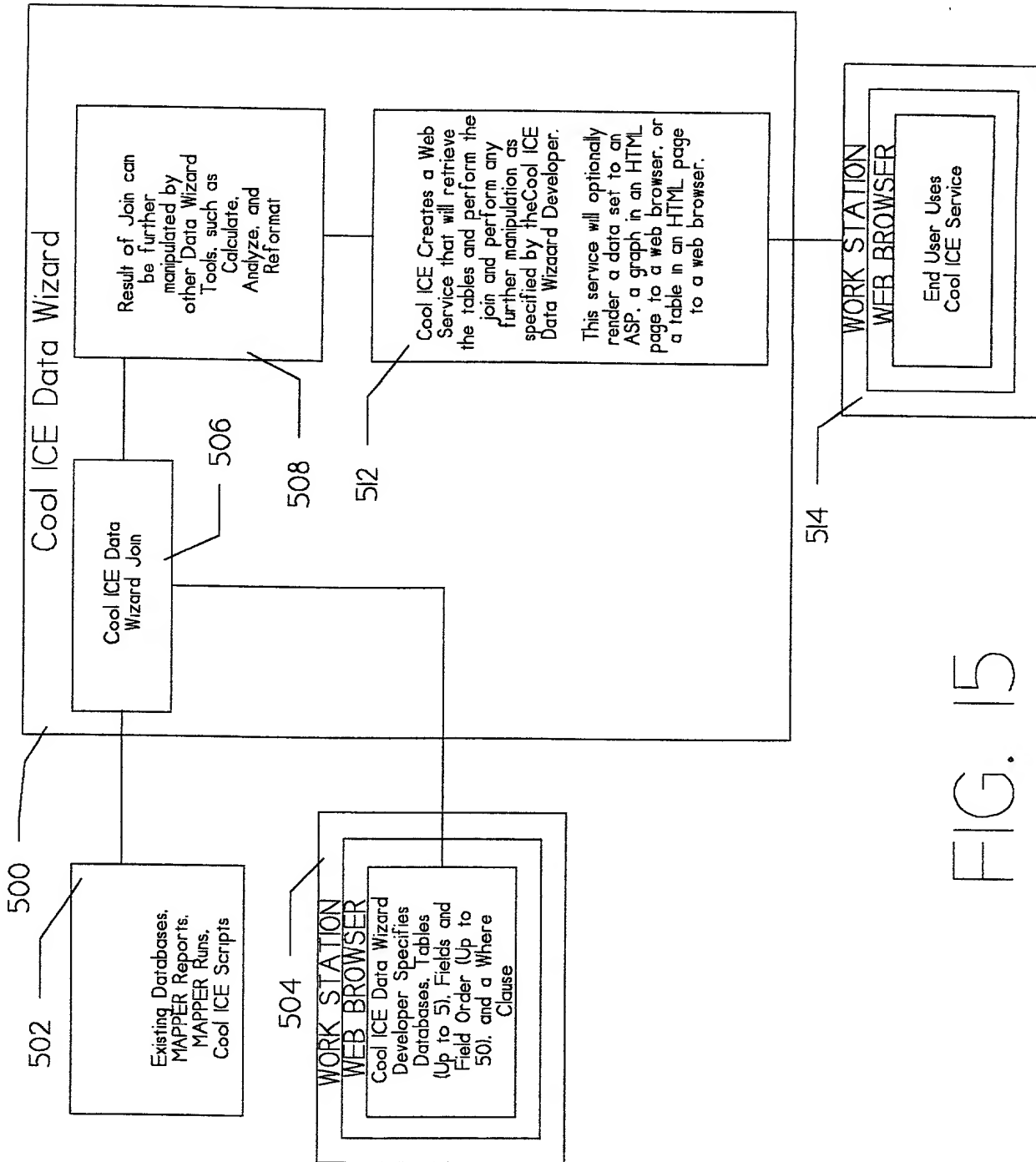
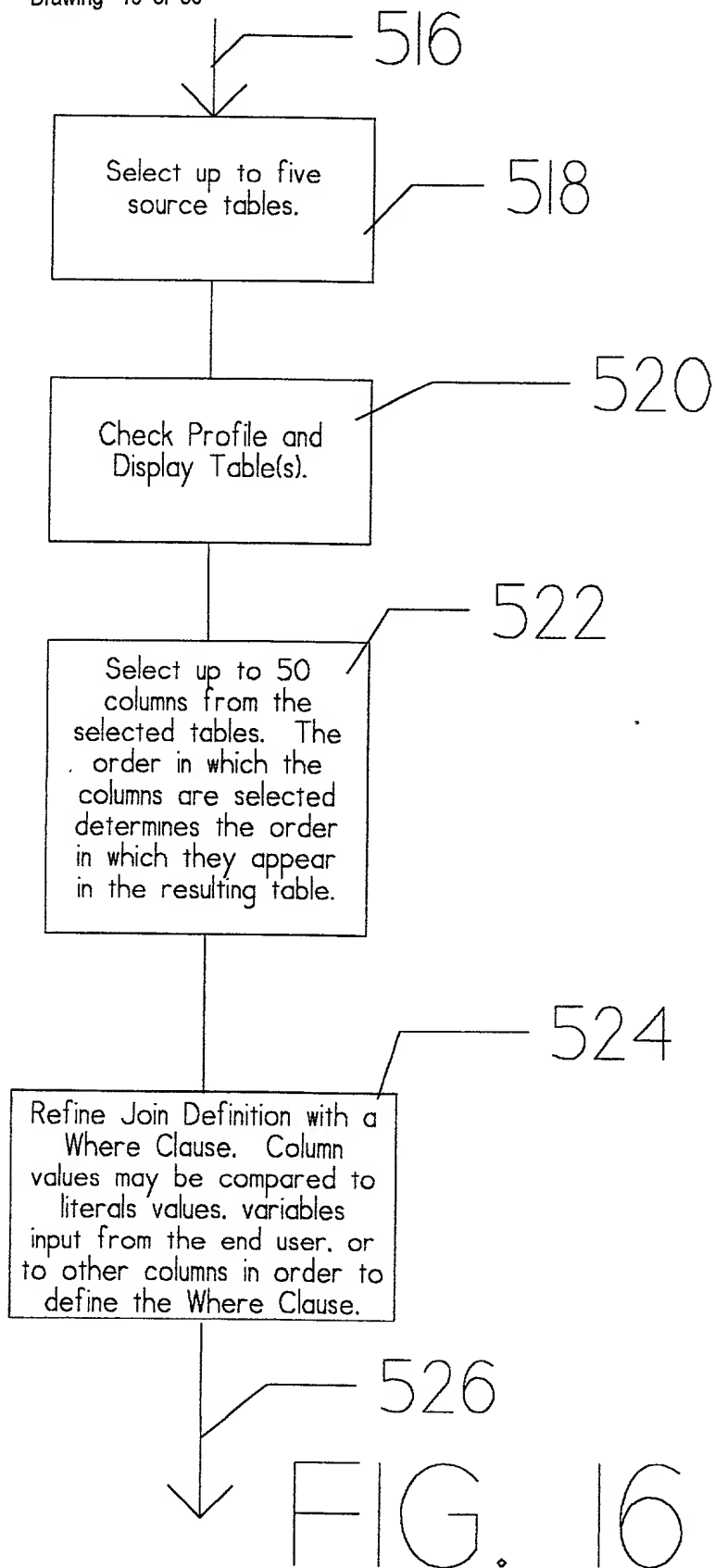


FIG. 15





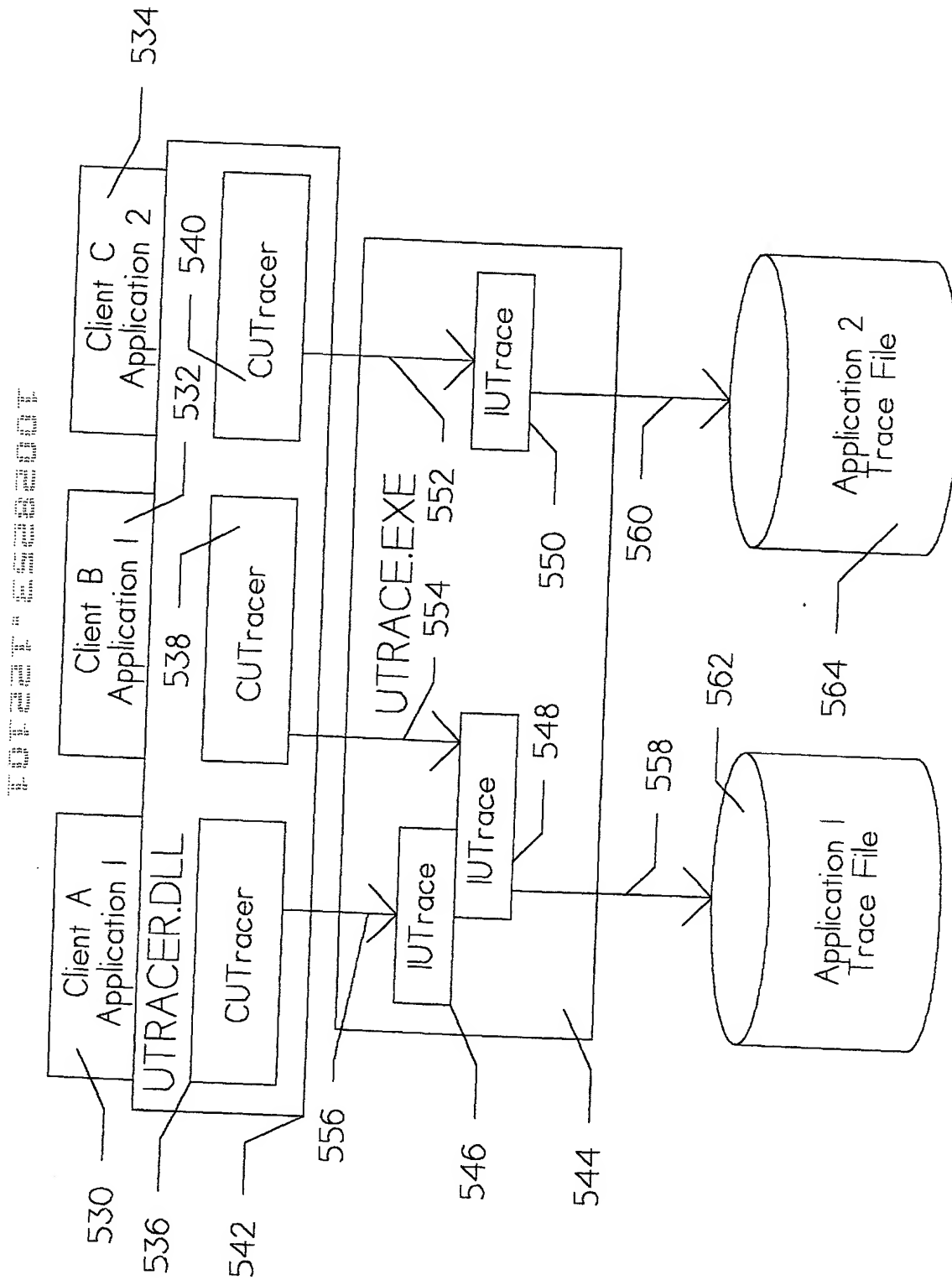


FIG. 17

# HKLM\SOFTWARE\UNISYS\UTRACE

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APPNAME -- Subkey matching the name of the application

ENABLETRACE -- DWORD value indicating a Boolean (=trace., 0=no trace).

MAXENTRIES -- DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.

FORMATFLAGS -- DWORD value indicating message formatting flags.

POLICYFLAGS -- DWORD value indicating trace policy flags set for the application.

TRACELEVEL -- DWORD value indicating a trace level. 0 = no trace.

TRACEPATH -- String value indicating the directory path for the trace files.

REGTRACE -- A string value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.

COMPONENT -- A subkey for a specific component of the application.

POLICYFLAGS -- Value indicating component level trace policy flags

TRACELEVEL -- DWORD Value indicating a trace level. 0 = no trace.

VERSIONTRACE-- String value specifying executable component name for version information tracing.

FIG. 18

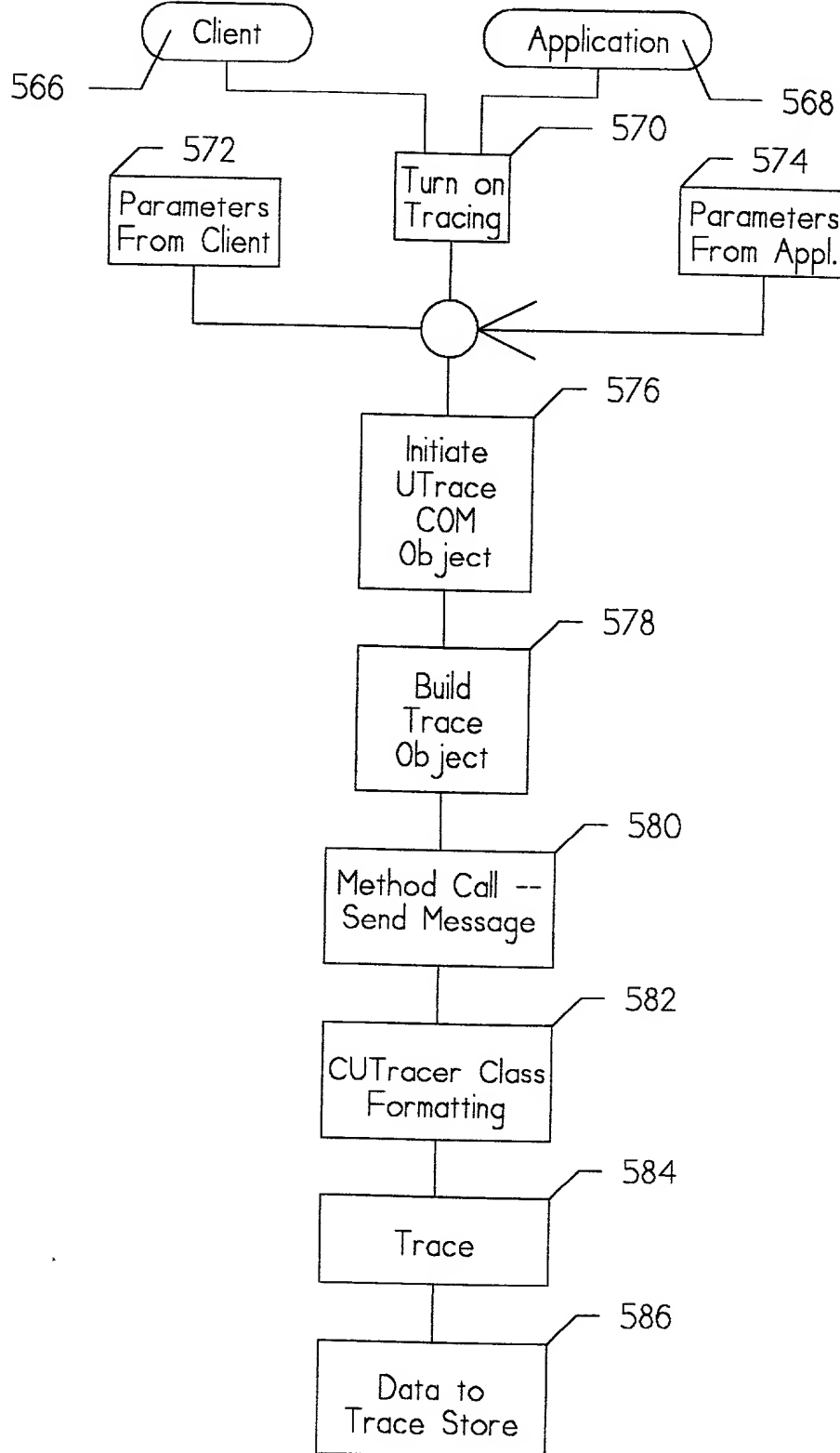


FIG. 19

```
#define CI_TRACE_VERSION      0x1  
#define CI_TRACE_ERROR       0x2  
#define CI_TRACE_INTERFACE    0x4  
#define CI_TRACE_FLOW         0x8  
#define CI_TRACE_DETAIL       0x10
```

FIG. 20A

```
if (m_trace.Active(CI_TRACE_DETAIL))  
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

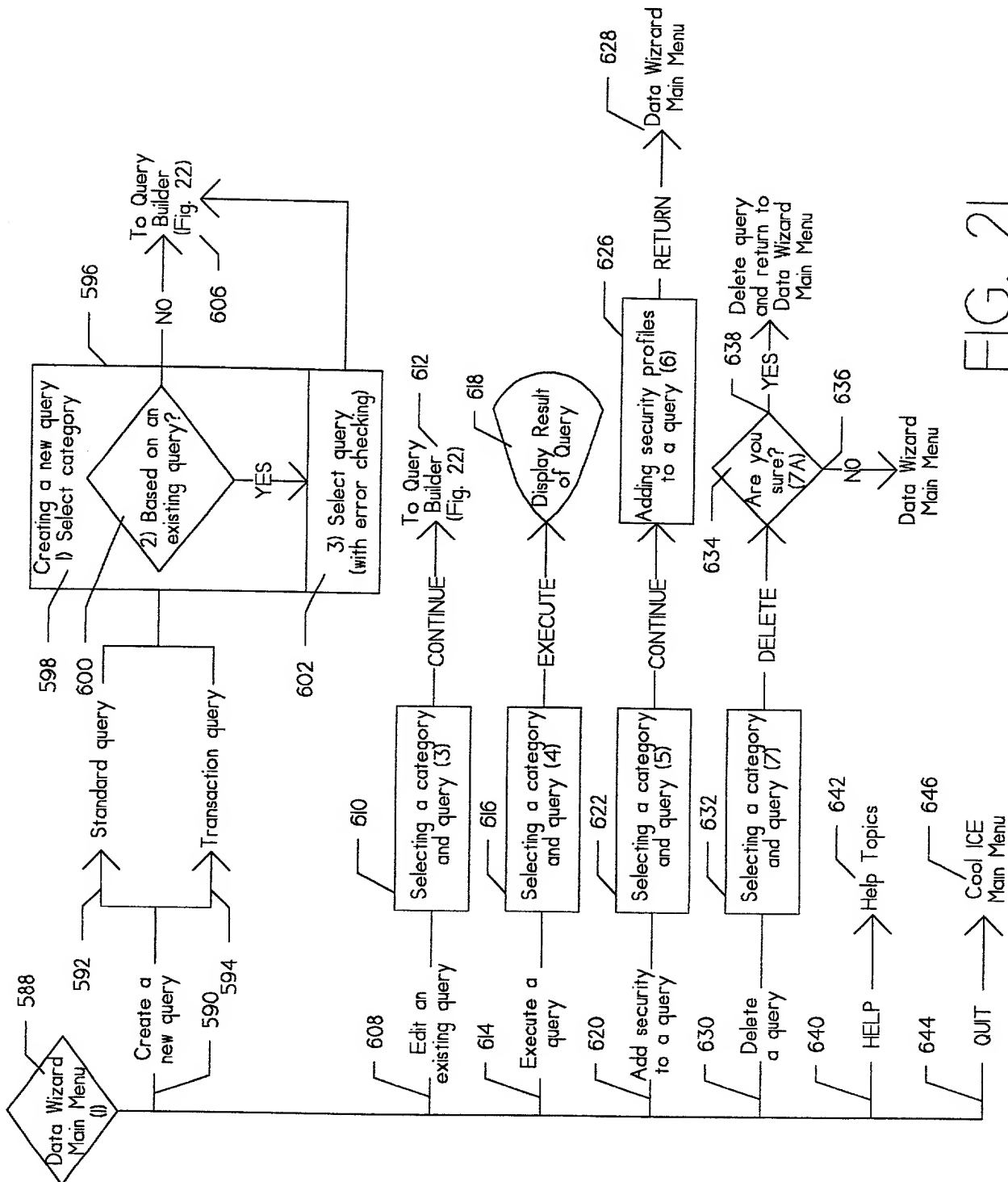


FIG. 21

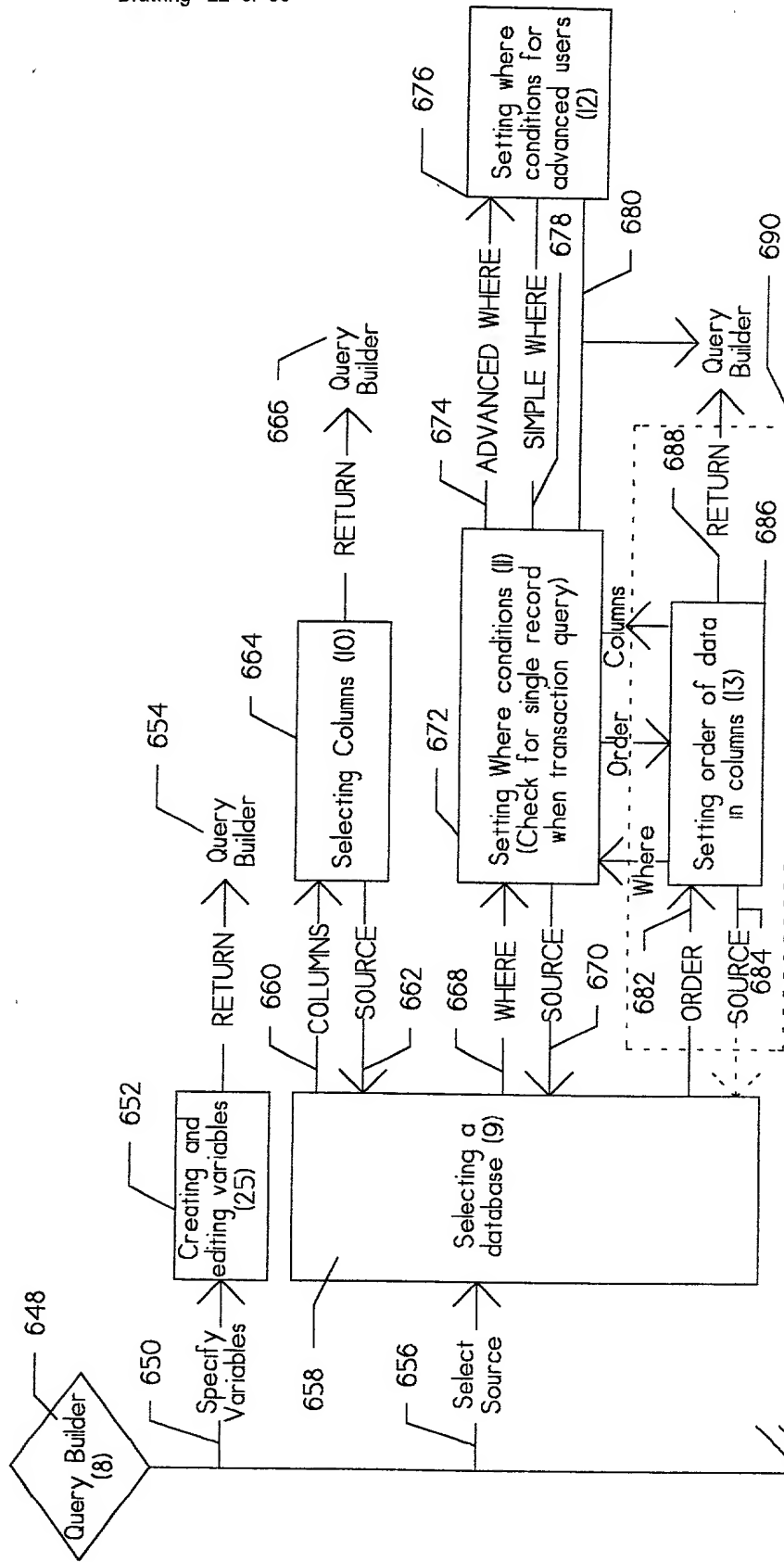


FIG. 22A

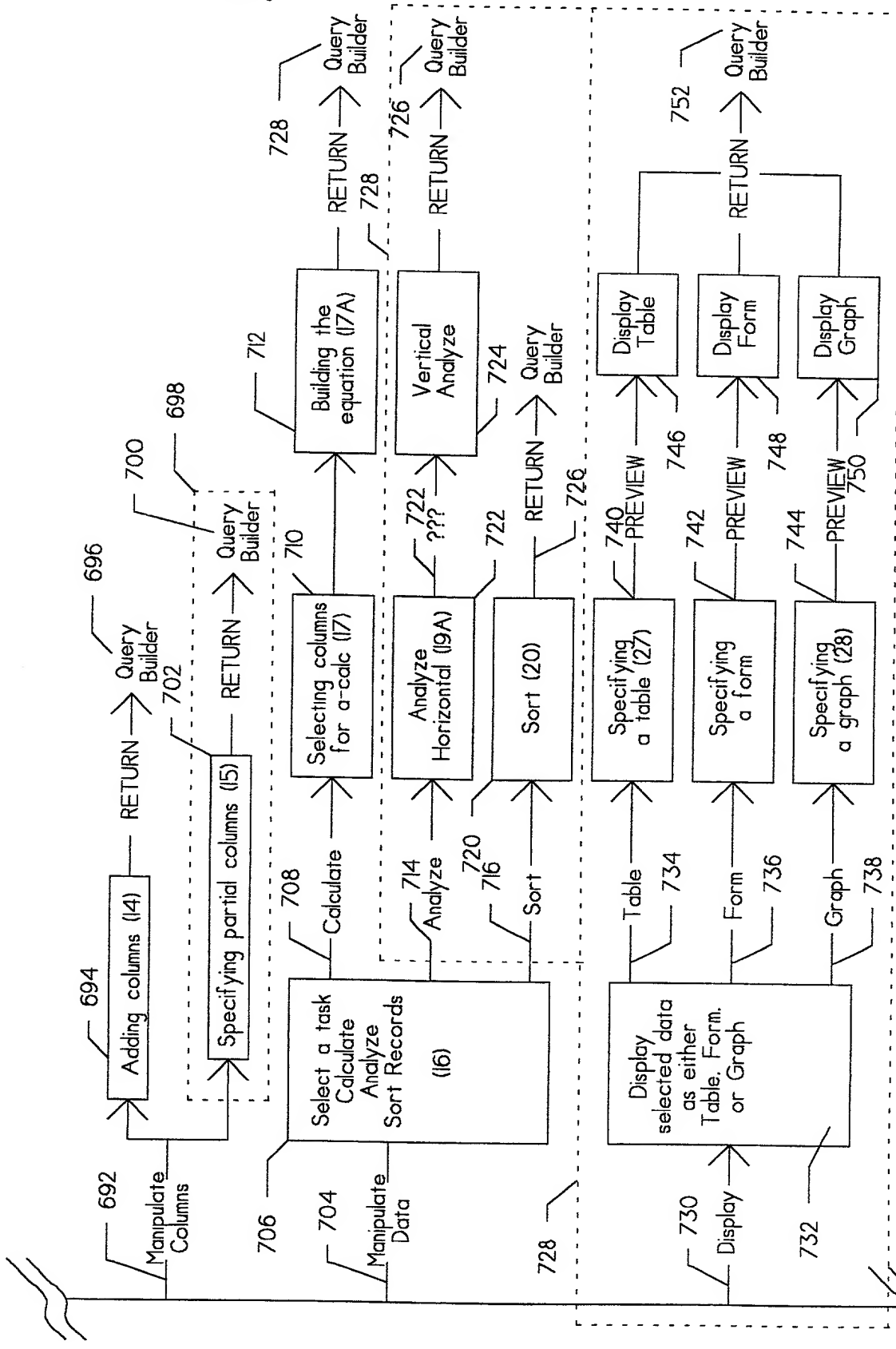


FIG. 22B

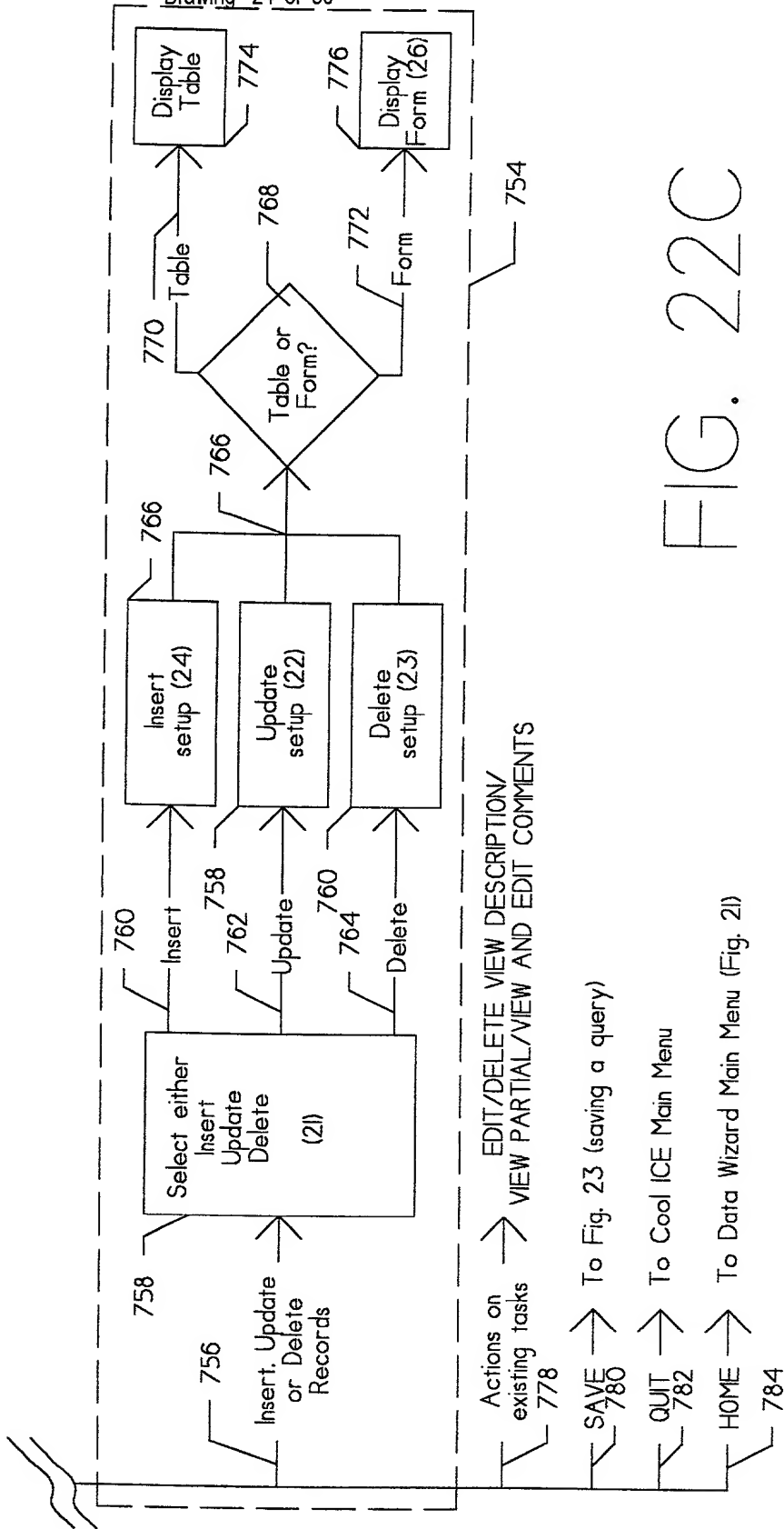


FIG. 22C



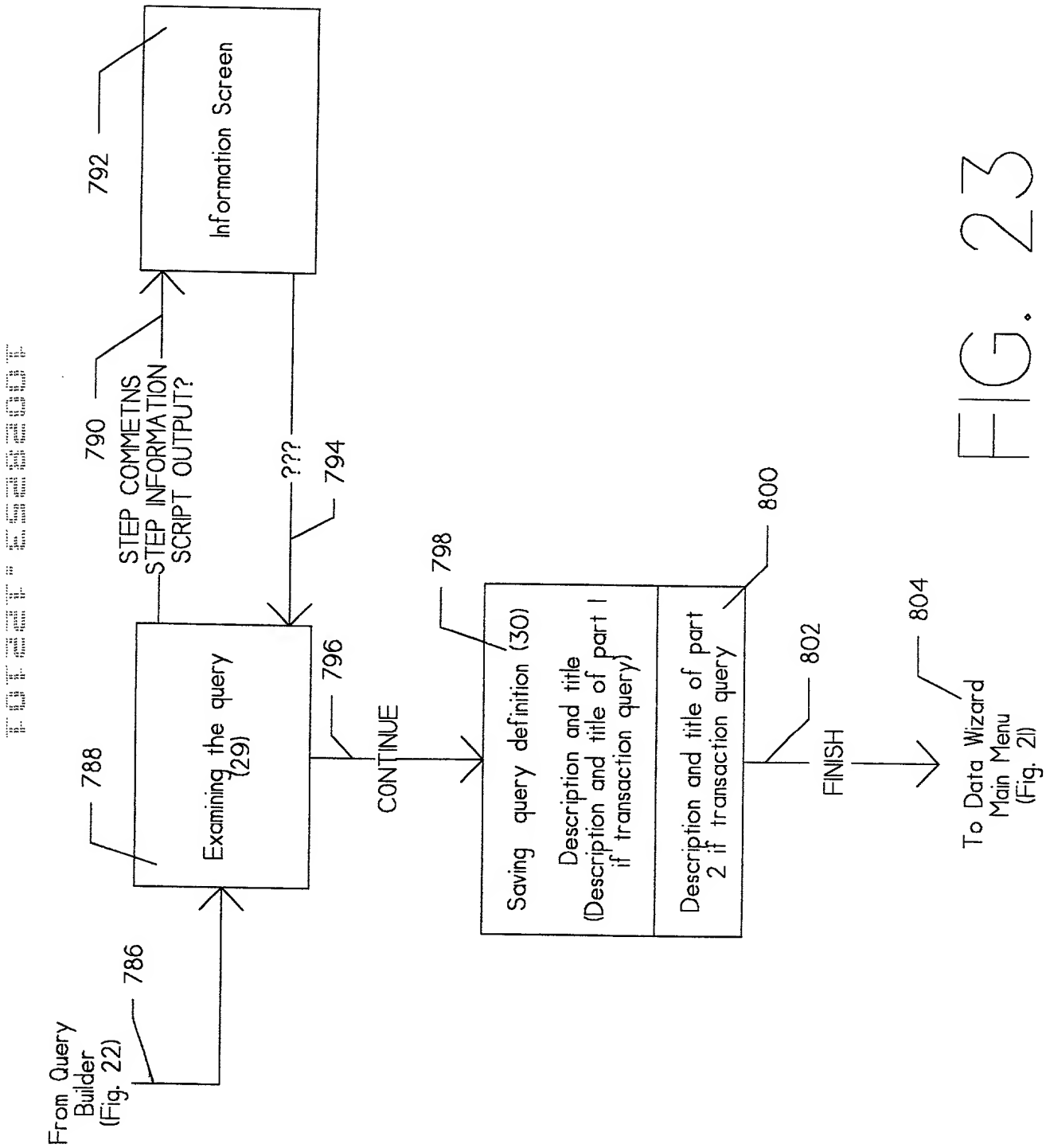


FIG. 23

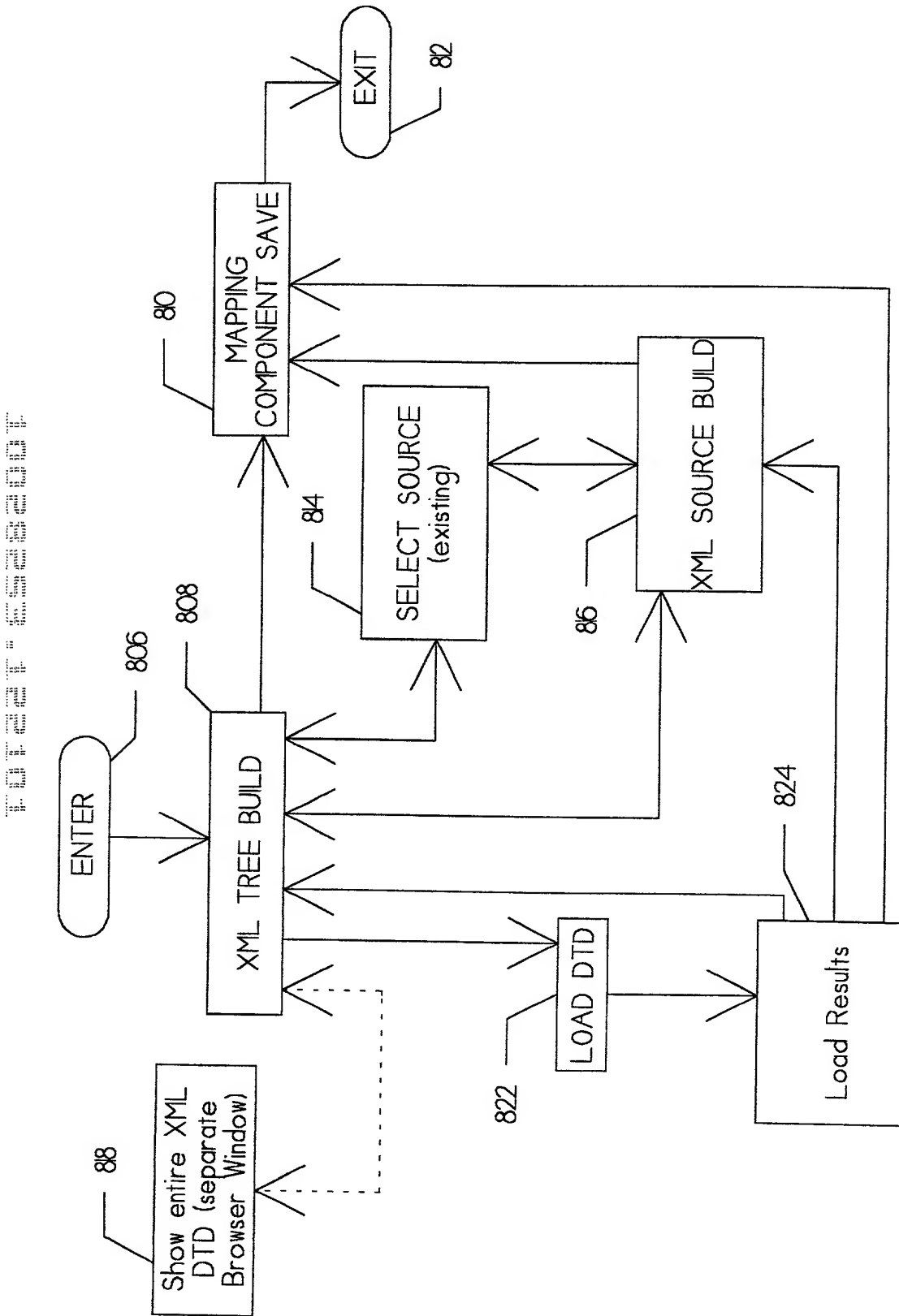


FIG. 24

XML-Mapper -- Microsoft Internet Explorer  
 File Edit View Favorites Tools Help

# Component Builder

## UNISYS

XML MAPPING ELEMENTS

ELEMENTS

☐ Newspaper
 ☐ Article
 ☐ Author
 ☐ Editor
 ☐ Date
 ☐ Edition
 ☐ Headline
 ☐ Byline
 ☐ Lead
 ☐ Body

CONTROLS

Mapping Type

☐ Open
 ☐ Complete

Table Mapping

☐ Complete

Name Conversion

☐ Capital

Element Properties

Item Type

☐ Sequence

Mapping

☐ Row Iterator

Value

☐ Rqrd Rpt

FIG. 25

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XML Mapper -- Microsoft Internet Explorer  
File Edit View Favorites Tools Help

838	Newspaper	<input type="radio"/>	<input type="radio"/>	Mapping Type	Open <input type="checkbox"/> 868	Name Conversion	Capital <input type="checkbox"/> 864
840	Article	<input type="radio"/>	<input type="radio"/>	Table Mapping	Complete <input type="checkbox"/> 866	Element Properties	
842	Author	<input type="radio"/>	<input type="radio"/>	Item Type	Sequence <input type="checkbox"/> 860	Element Form	Rpt <input type="checkbox"/> 861
844	Editor	<input type="radio"/>	<input type="radio"/>	Mapping	Row Iterator <input type="checkbox"/> 862	Value	863
846	Date	<input type="radio"/>	<input type="radio"/>	Actions			865
848	Edition	<input type="radio"/>	<input type="radio"/>	Clear Mapping			
850	Headline	<input type="radio"/>	<input type="radio"/>	Add Sibling above			
852	Byline	<input type="radio"/>	<input type="radio"/>	Add Sibling below			
854	Lead	<input type="radio"/>	<input type="radio"/>	Add Childred			
	Body	<input type="radio"/>	<input type="radio"/>	Add Attributes			
	Notes	<input type="radio"/>	<input type="radio"/>	Delete Branch			
				Compact View			
				Show Representation			

FIG. 26

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XML - Mapper -- Microsoft Internet Explorer  
File Edit View Favorites Tools Help

Component Builder

Home Quit Cancel Help

871 XML MAPPING ELEMENTS 872 [Redisplay] 874 [Sources] 876 [Upload DTD] [Save]

ELEMENTS 858

Root

Variables 856

Tables

CONTROLS

Mapping Type

Open 868

Name Conversion

Capital 864

Table Mapping

Complete 866

Element Properties

Item Type

Sequence 860

Mapping

Row Iterator 862

Value

Element Form

Rpt Rpt 863

FIG. 27

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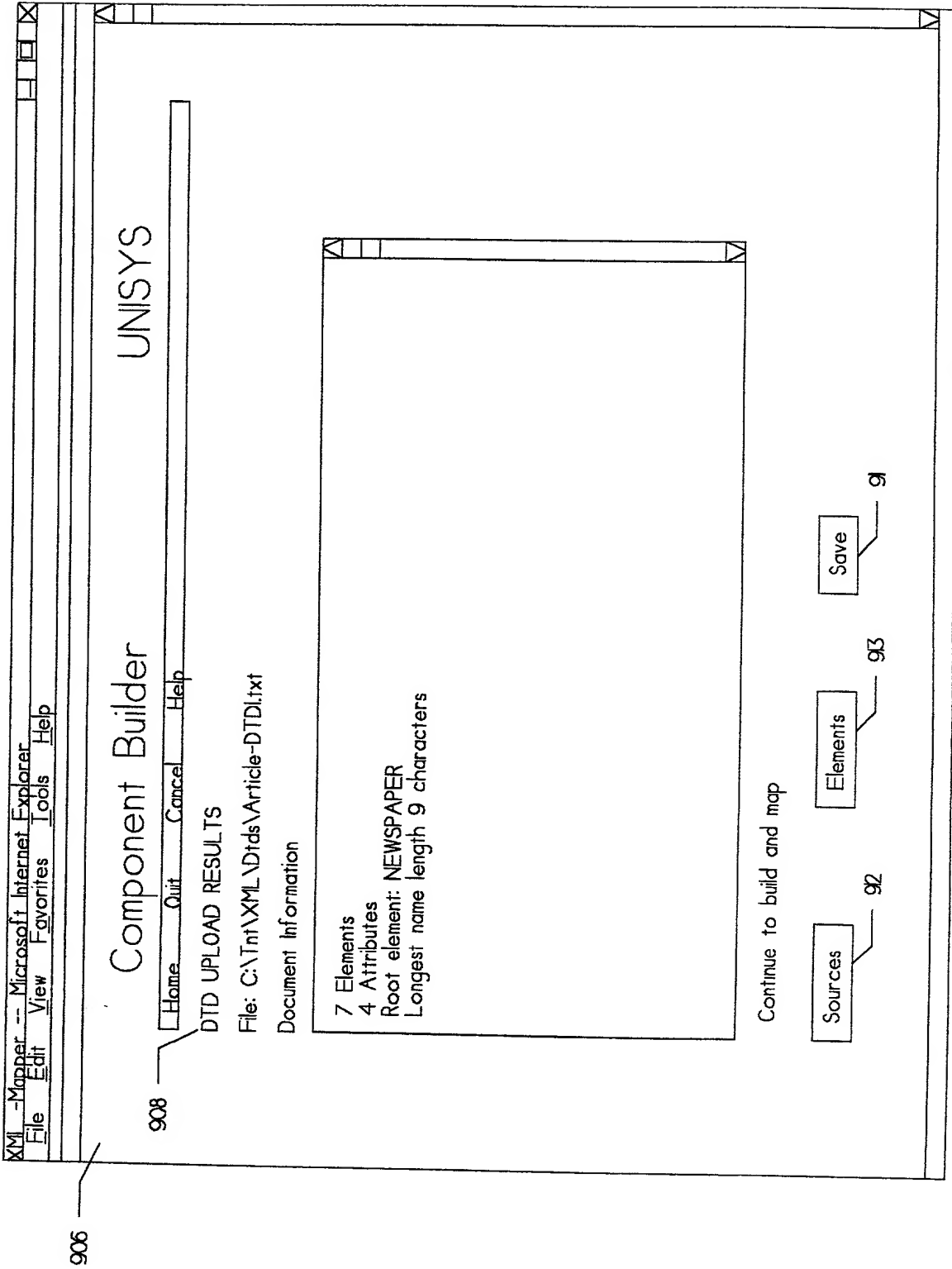


FIG. 28

IDT EXAMPLE

Version:AC:0.0 90  
Truncation:AC:0 92  
TypeCheck:AC:0 93  
ShoeData:ED:0:R 94  
From:DE:I:R  
From:EV:Supplier:20:string  
TableType:ED:I:R  
TableType:EV:TableInfo:50:string  
Inventory:ED:I:R  
Inventory:BT:Inventory:7  
Inventory:IH:ITEMNUMBER:I0  
Inventory:IH:QTY:5  
Inventory:IH:TYPE:I0  
Inventory:IH:GENDER:6  
Inventory:IH:SIZ:3  
Inventory:IH:COLOR:3I  
Inventory:IH:UNITCOST:I3  
Date:AD:I:R  
Date:AV:Date:I0:string  
Time:AD:I:R  
Time:AV:Time:5:string  
Row:ED:2:R  
Row:BR:I  
ItemNr:ED:2:R  
ItemNr:EF:I:ITEMNUMBER:I0:R:string  
Quantity:AD:2:R  
Quantity:AF:I:QTY:5:R:string  
Type:ED:2:R  
Type:EF:I:TYPE:I0:L:string:  
Gender:ED:2:0  
Gender:EF:I:GENDER:6:L:string:UniSex  
Size:ED:2:R  
Size:EF:I:SIZ:3:L:string:  
Color:ED:3:0  
Color:EF:I:COLOR:3I:L:string:White  
Unitcost:ED:2:R  
Unitcost:EF:I:UNITCOST:I3:R:string:  
Row:EE:2  
Row:ER:a  
Inventory:EE:I  
Inventory:ET:I 96

FIG. 29

11/11/01 11:11:11

DTD EXAMPLE 918

<!DOCTYPE ShoeData [

```
<!ELEMENT ShoeData (From, TableType, Inventory)>
<!ELEMENT From (#PCDATA)>
<!ELEMENT TableType (#PCDATA)>
<!ELEMENT Inventory (Row+)>
<!ATTLIST Inventory Date CDATA #REQUIRED>
<!ATTLIST Inventory Time CDATA #REQUIRED>
<!ELEMENT Row (ItemNr, Type, Gener?, Size, Color?, Unitcost)+>
<!ELEMENT ItemNr (#PCDATA)>
<!ATTLIST ItemNr Quantity CDATA #REQUIRED>
<!ELEMENT Type (#PCDATA)>
<!ELEMENT Gender (#PCDATA)>
<!ELEMENT Size (#PCDATA)>
<!ELEMENT Color (#PCDATA)>
<!ELEMENT Unitcost (#PCDATA)>
```

FIG. 30



XML INPUT DOCUMENT EXAMPLE

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```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ShoeData>
  <From>Roseville Store</From>
  <TableType>Low Inventory Count</TableType>
  <Inventory Date>"2000-12-05" Time="11:51">
  <Row>
    <ItemNr Quantity="0">32335</ItemNr>
    <Type>Tennis</Type>
    <Gender>Mens</Gender>
    <Size>6</Size>
    <Color>White/Zen Grey/New Spruce</Color>
    <Unitcost>25.00</Unitcost>
  </Row>
  <Row>
    <ItemNr Quantity="0">35410</ItemNr>
    <Type>Running</Type>
    <Gender>Womens</Gender>
    <Size>5</Size>
    <Color>White/Zen Grey/Neptune Blue</Color>
    <Unitcost>19.70</Unitcost>
  </Row>
  <Row>
    <ItemNr Quantity="0">35411</ItemNr>
    <Type>Running</Type>
    <Gender>Womens</Gender>
    <Size>6</Size>
    <Color>White/Zen Grey/Neptune Blue</Color>
    <Unitcost>19.70</Unitcost>
  </Row>
  <Row>
    <ItemNr Quantity="2">35420</ItemNr>
    <Type>Running</Type>
    <Gender>Womens</Gender>
    <Size>5</Size>
    <Color>White/Chlorine Blue/Hot Lime</Color>
    <Unitcost>19.70</Unitcost>
  </Row>
  <Row>
    <ItemNr Quantity="1">37421</ItemNr>
    <Type>Golf</Type>
    <Gender>Womens</Gender>
    <Size>8</Size>
    <Color>White/Fluorescent Pink</Color>
    <Unitcost>35.00</Unitcost>
  </Row>
</Inventory>
</ShoeData>
  <Color>White/Black-Hot Lime, Neo Teak</Color>
  <Unitcost>40.00</Unitcost>
</Row>
  <Row>
    <ItemNr Quantity="0">32474</ItemNr>
    <Type>Tennis</Type>
    <Gender>Womens</Gender>
    <Size>8</Size>
    <Color>White/Light Marine-Ultramarine</Color>
    <Unitcost>25.00</Unitcost>
  </Row>
  <Row>
    <ItemNr Quantity="1">35310</ItemNr>
    <Type>Running</Type>
    <Gender>Mens</Gender>
    <Size>6</Size>
```

FIG. 31

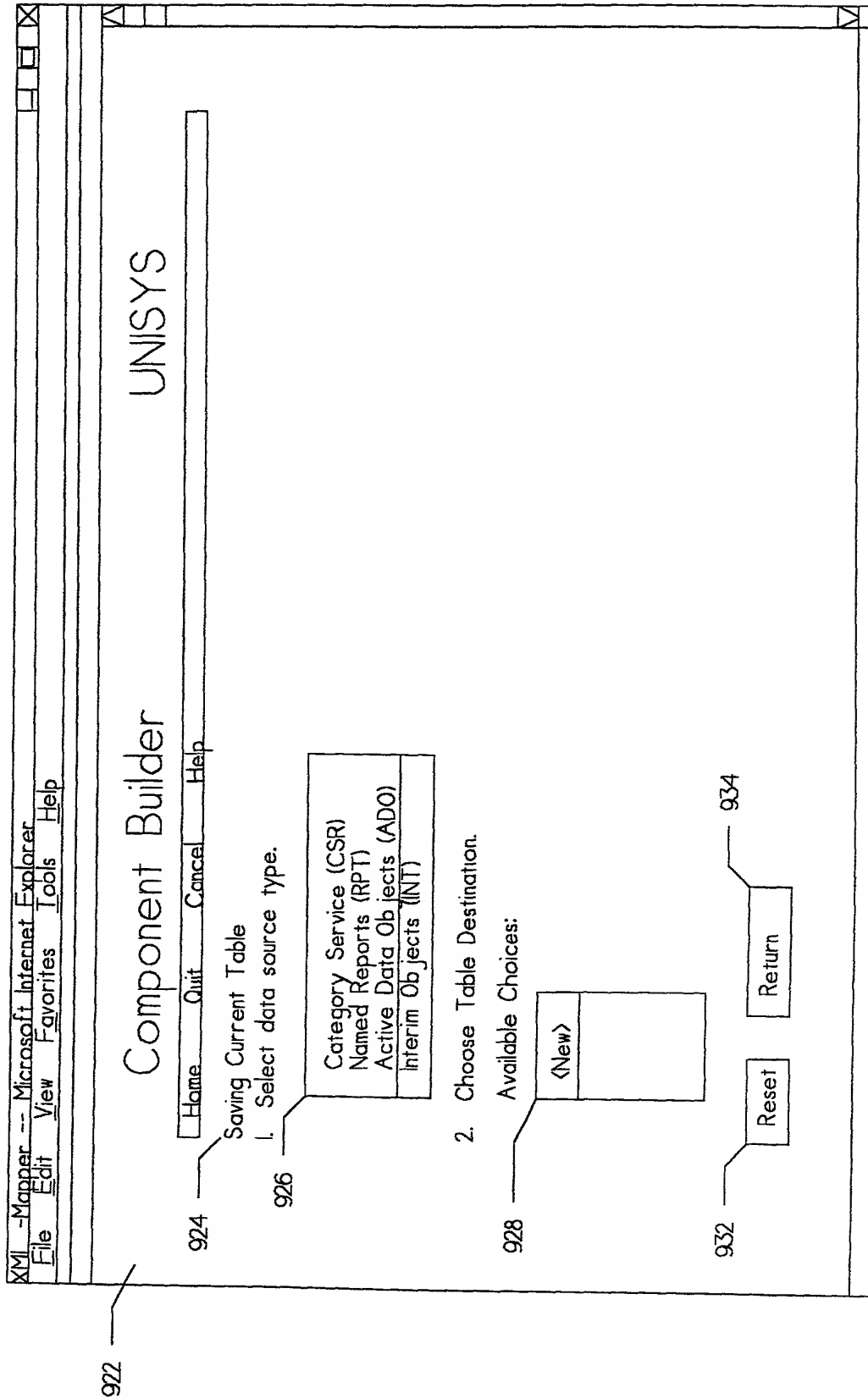


FIG. 32

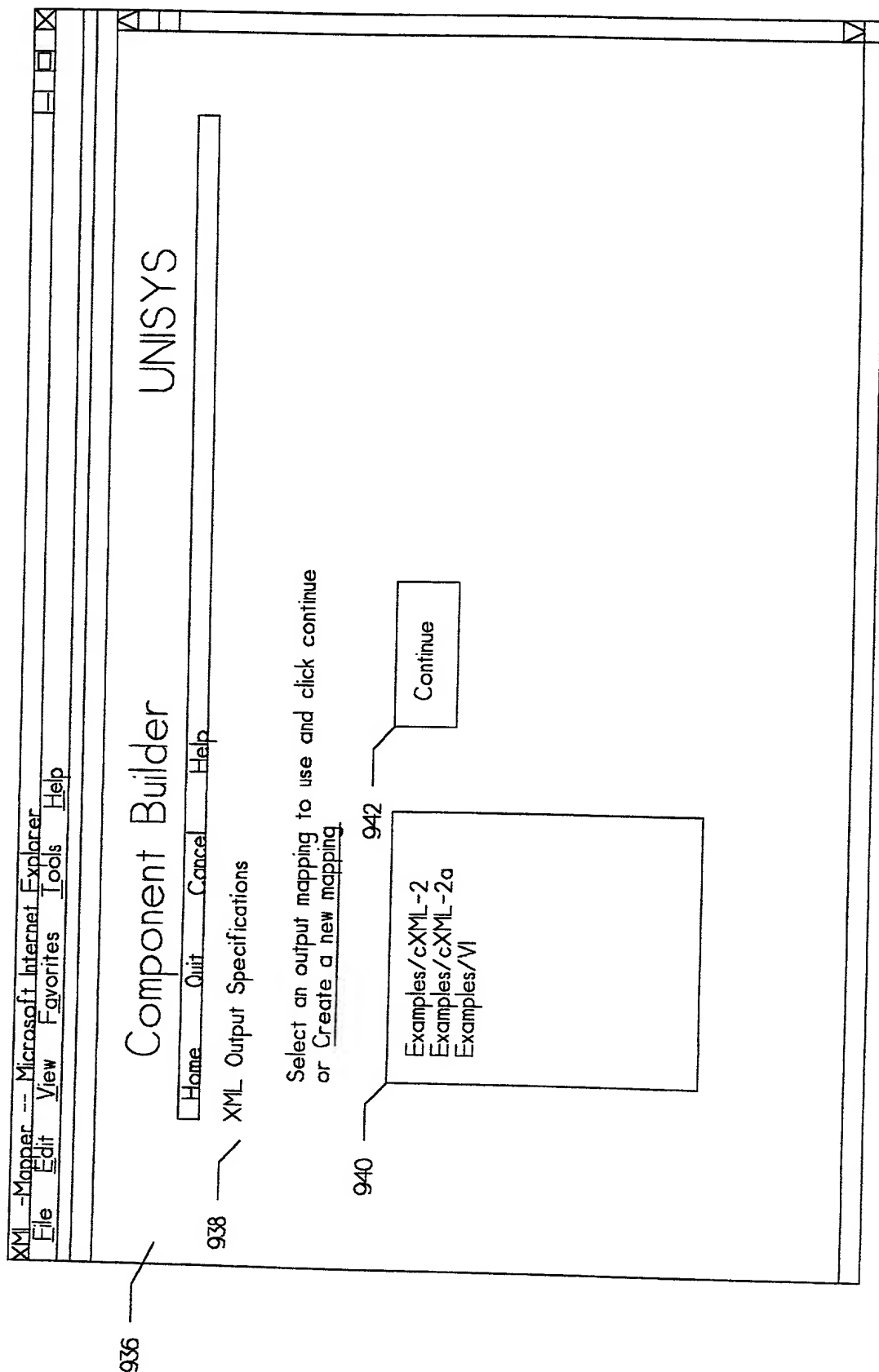


FIG. 33

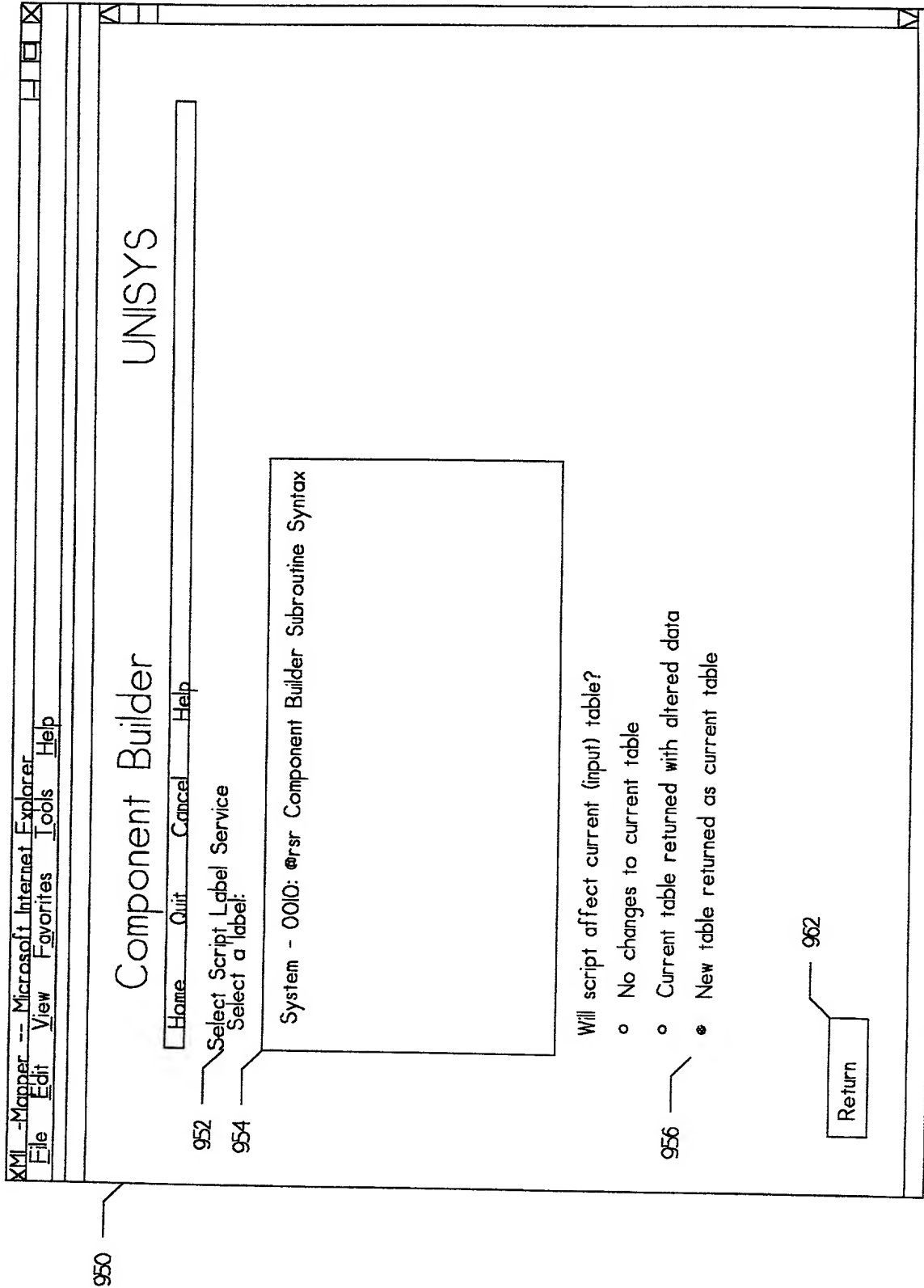


FIG. 34